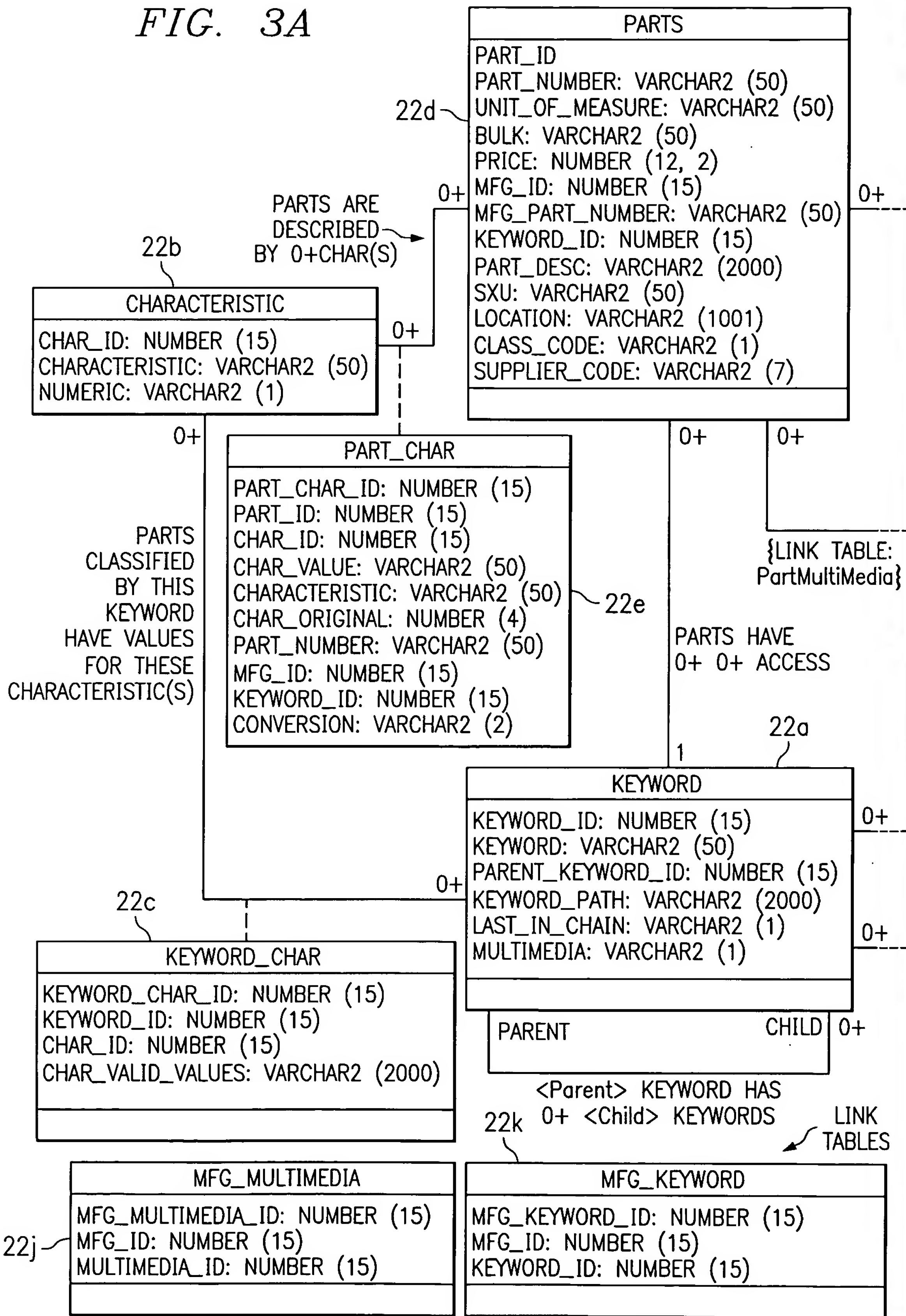


FIG. 3A



TO FIG. 3B

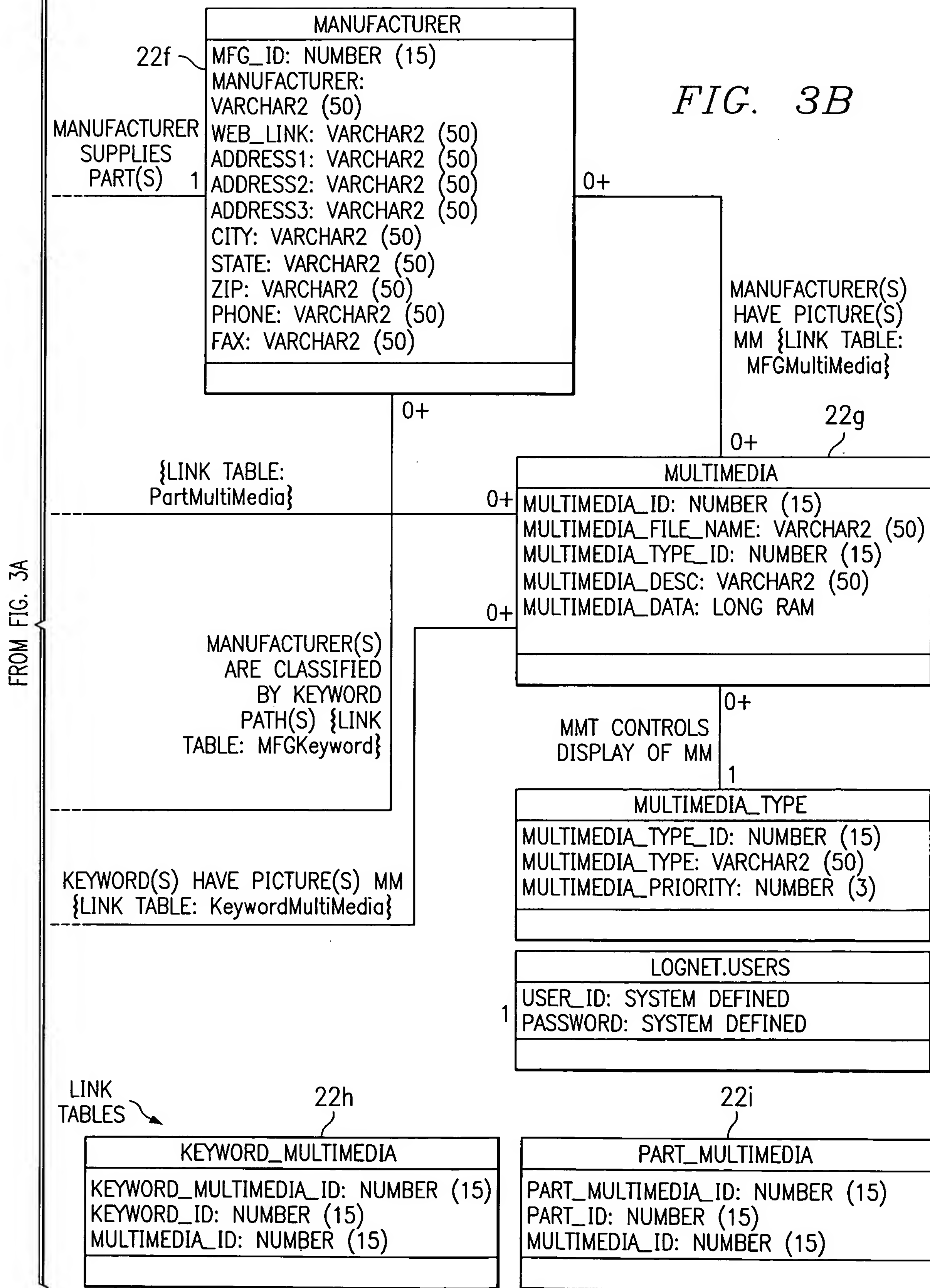


FIG. 3C

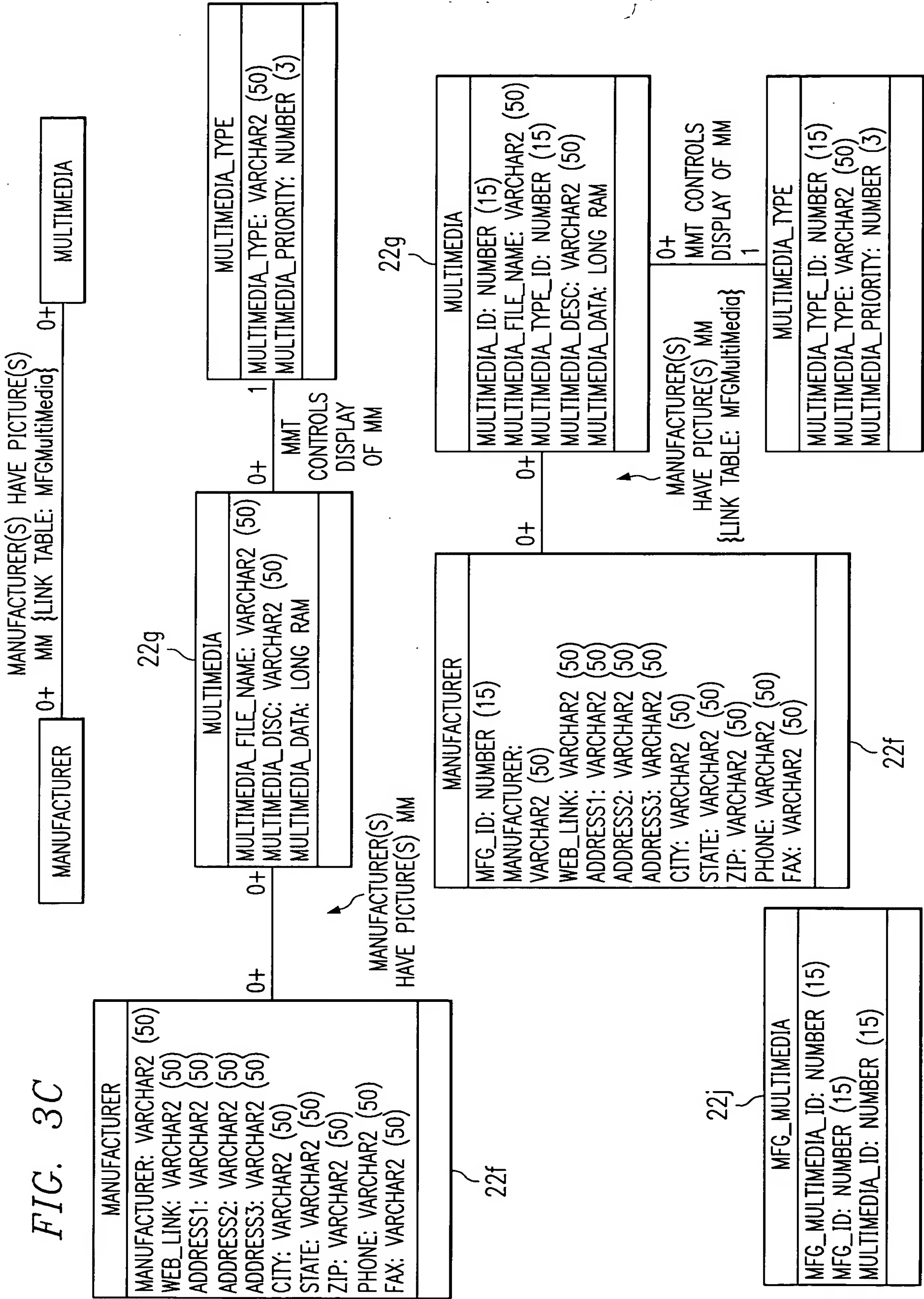


Fig. 4A

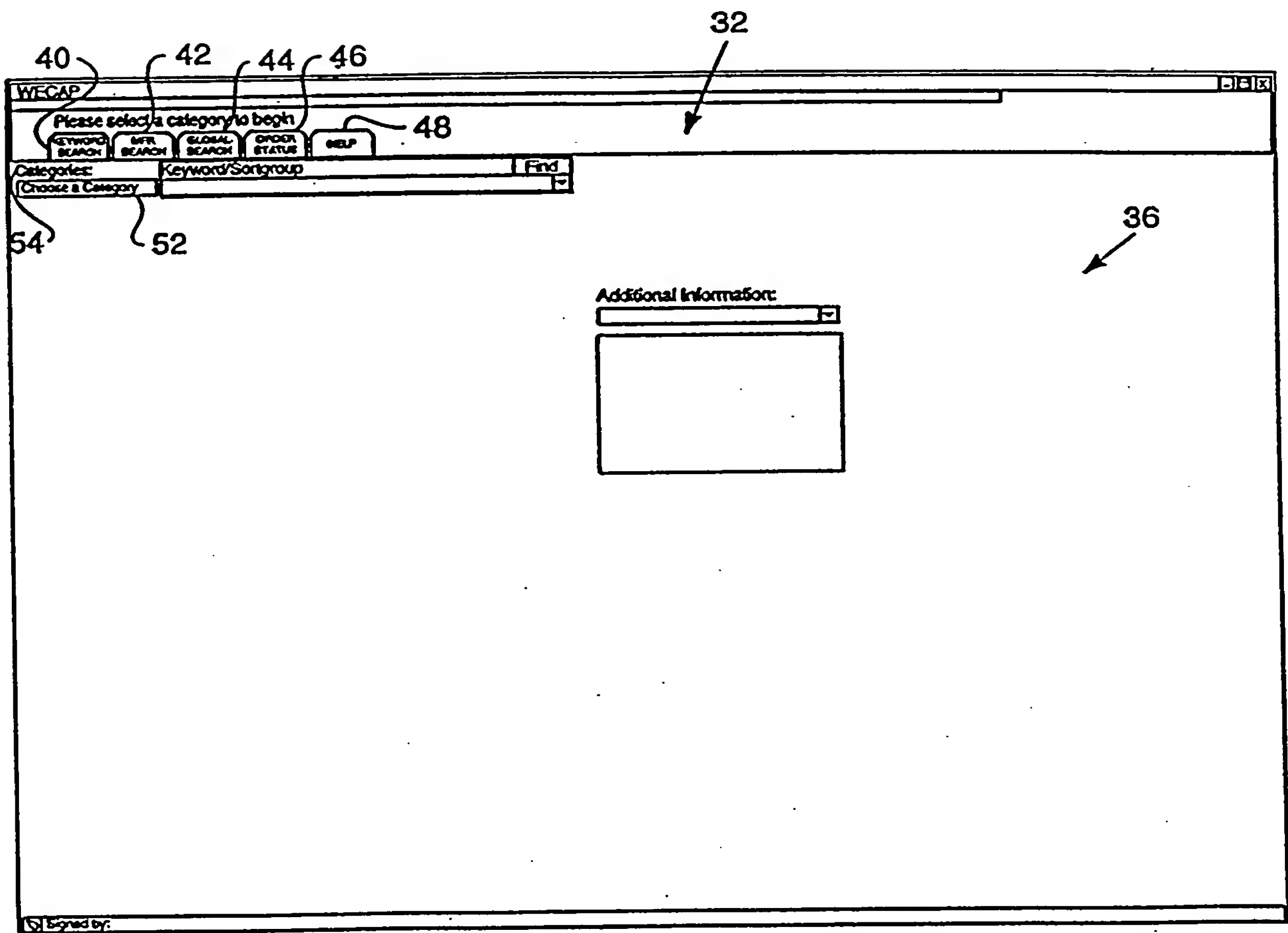


Fig. 4B

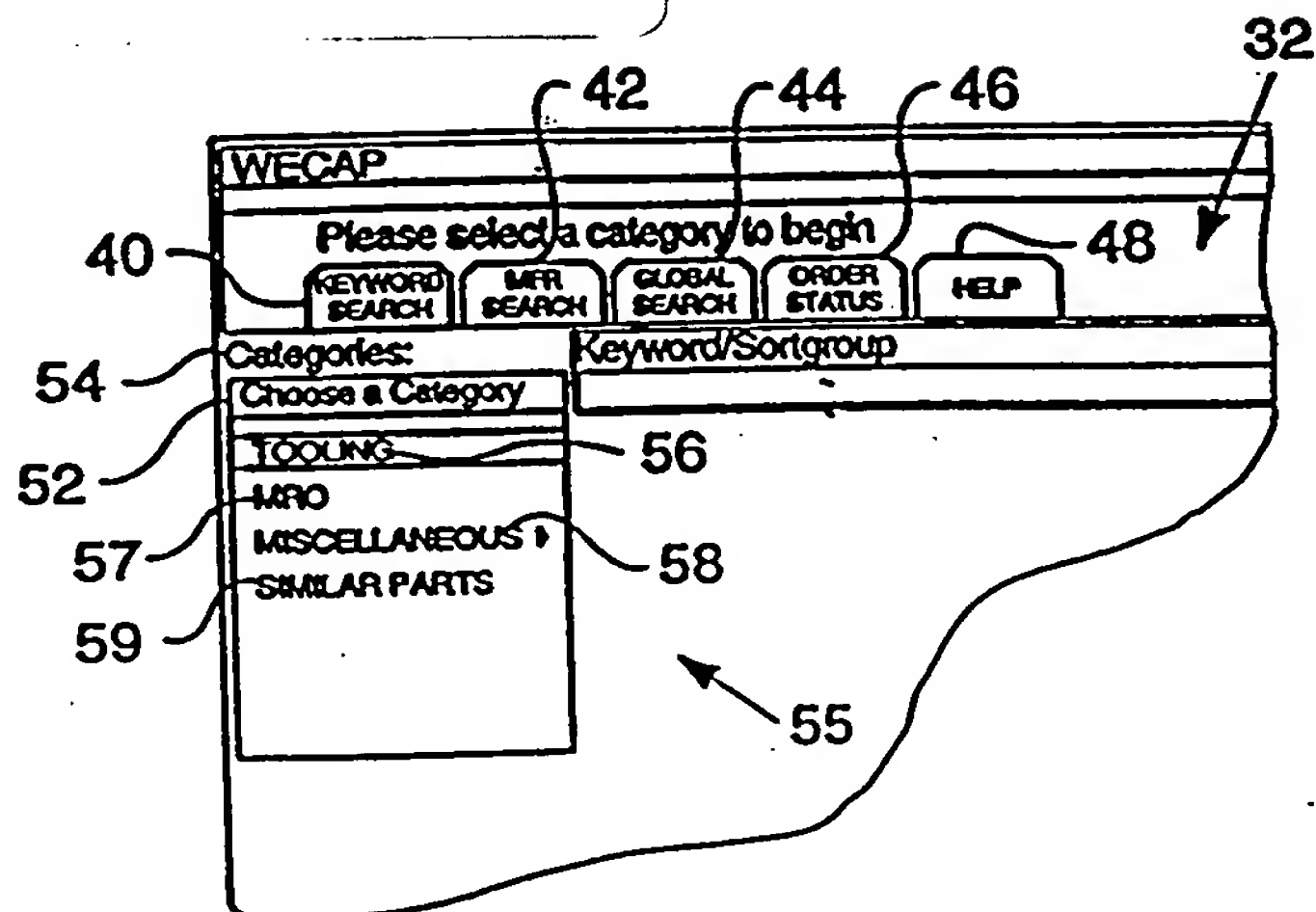


Fig. 5A

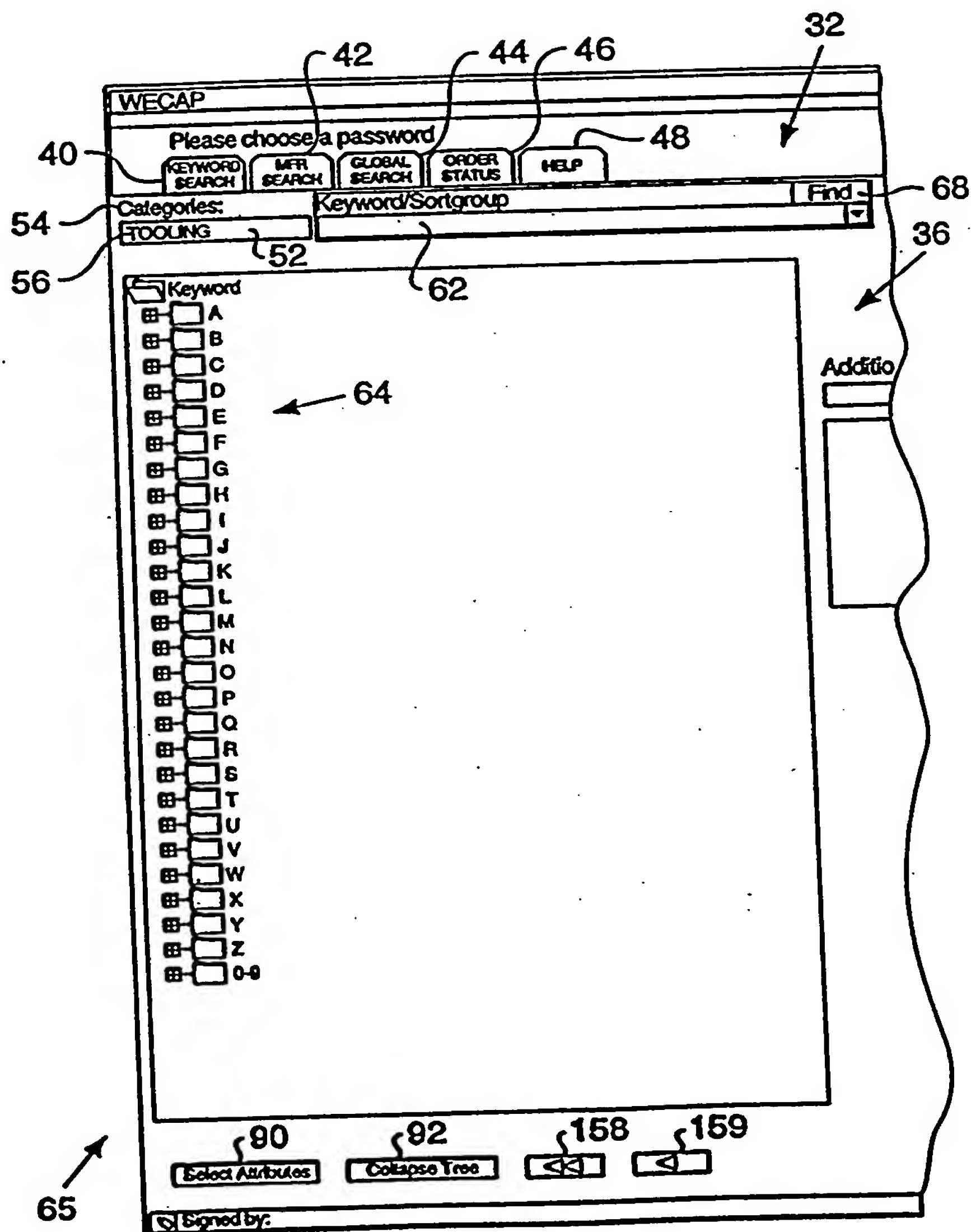


Fig. 5B

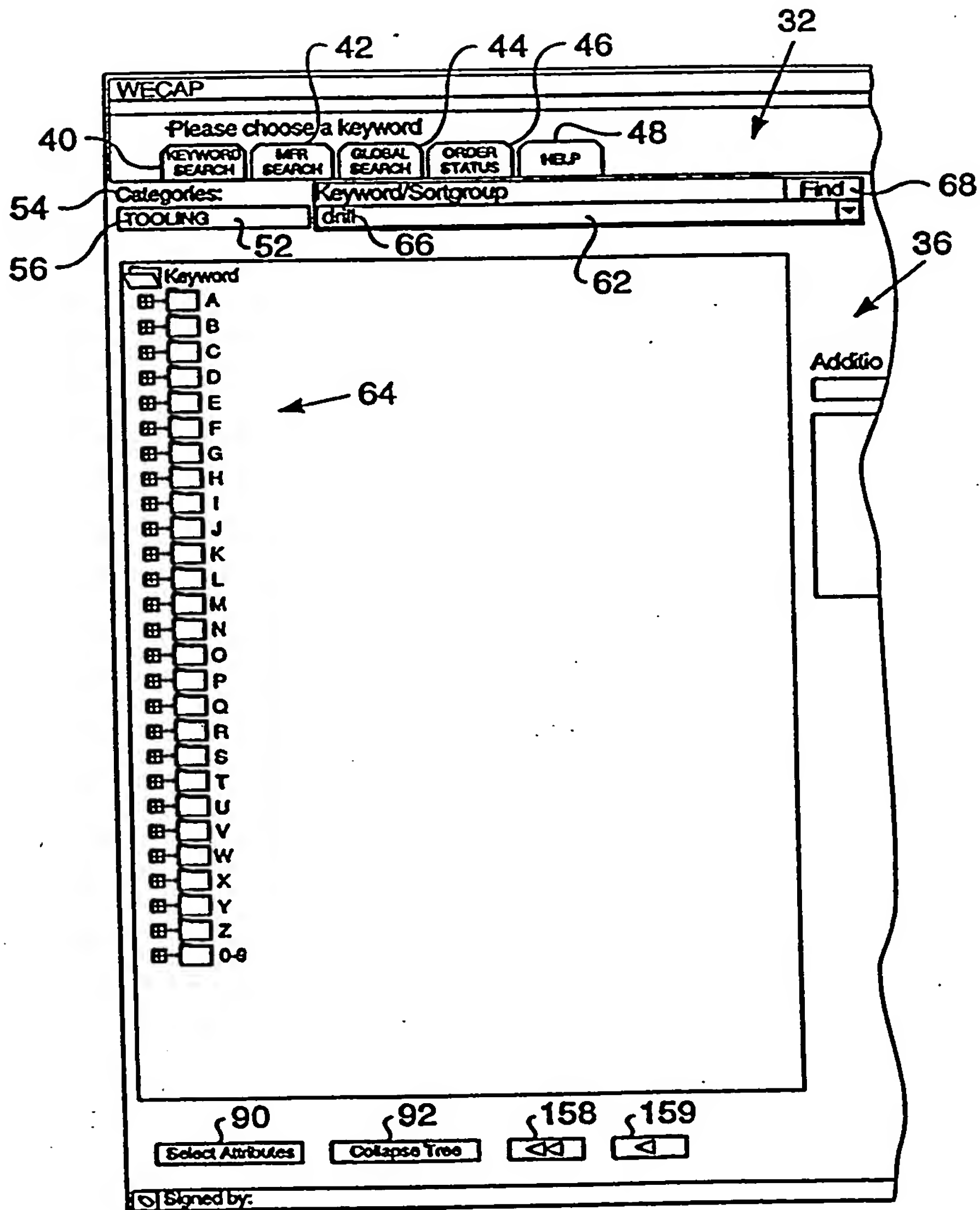


Fig. 5C

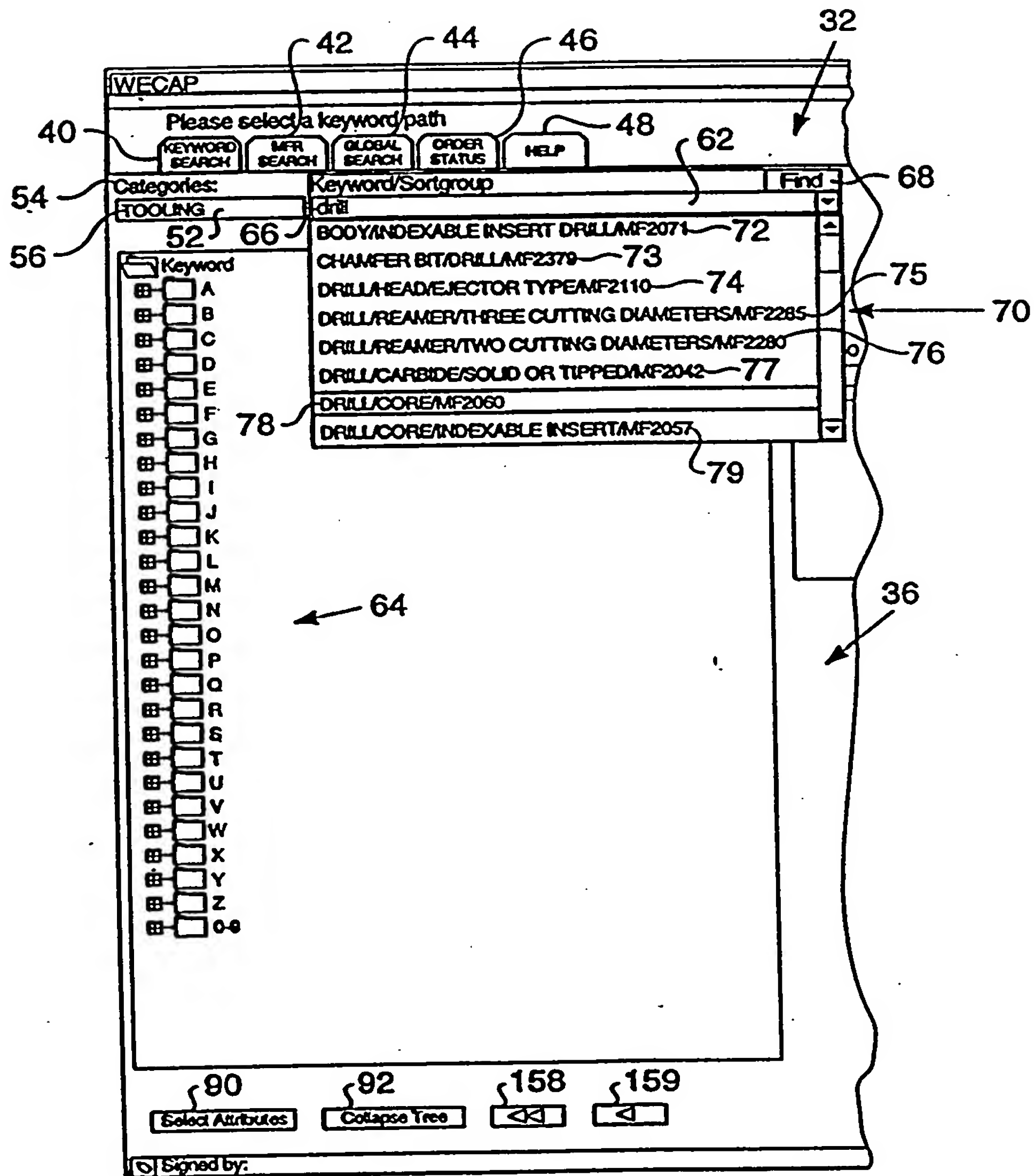


Fig. 6A

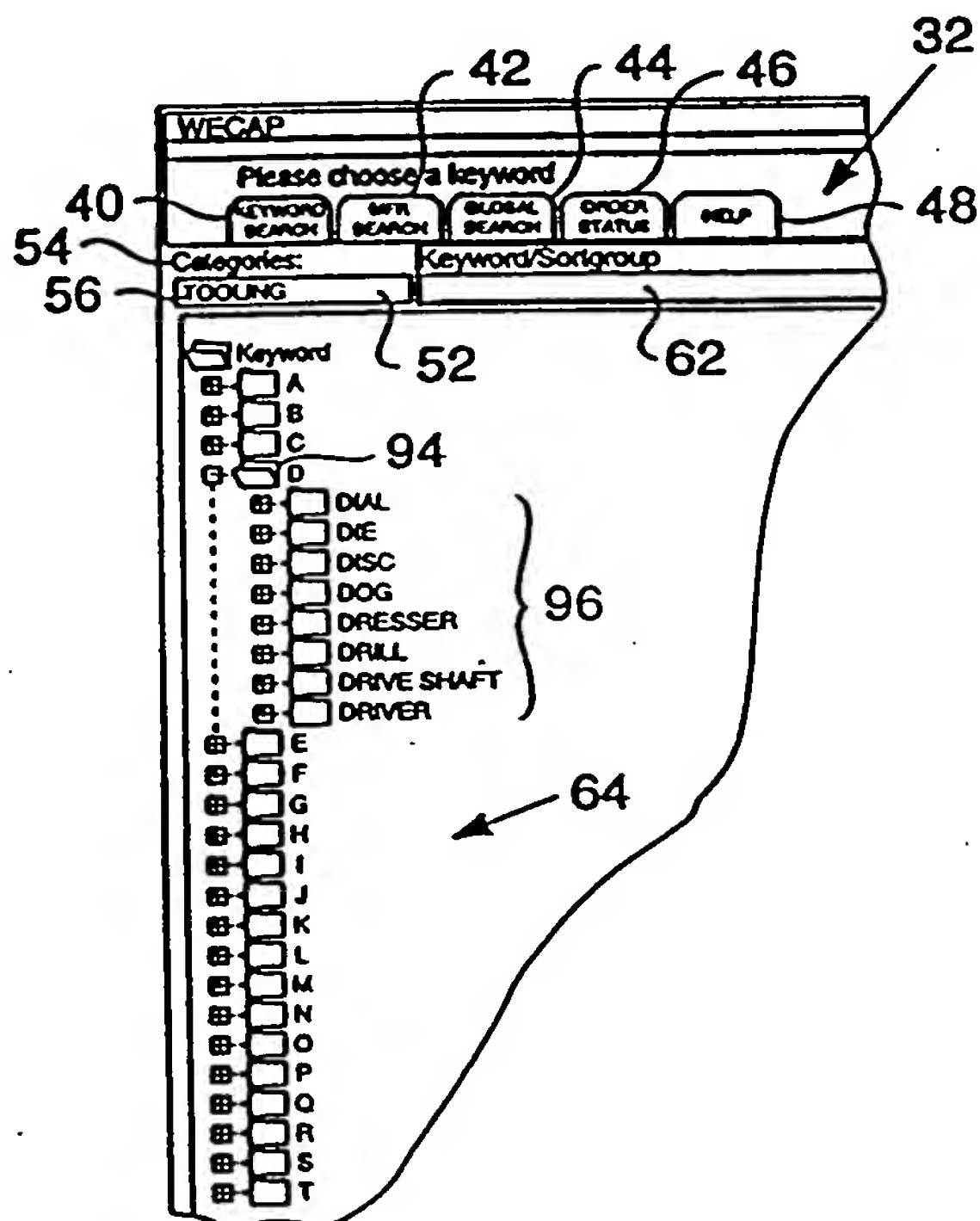


Fig. 6B

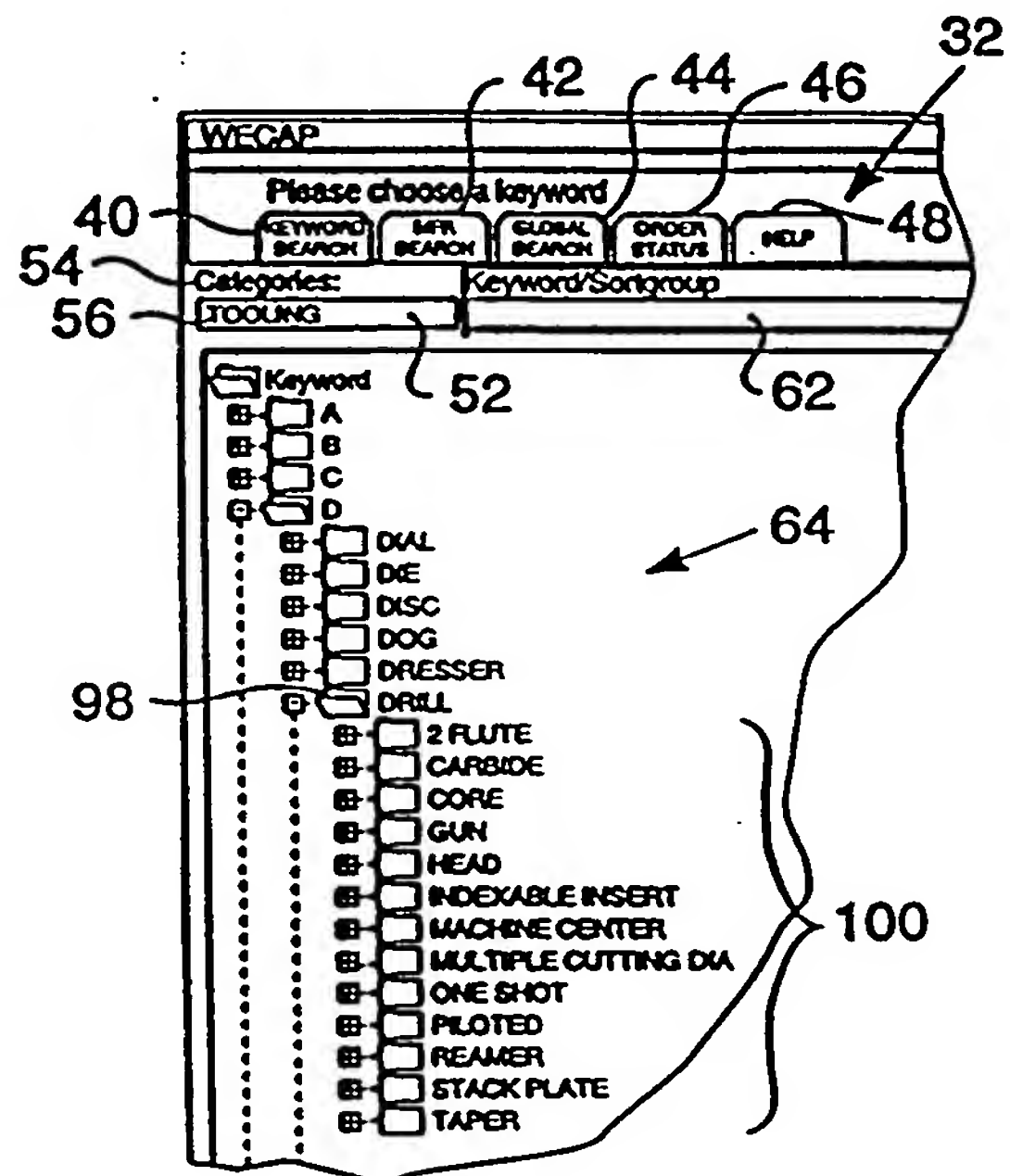


Fig. 6C

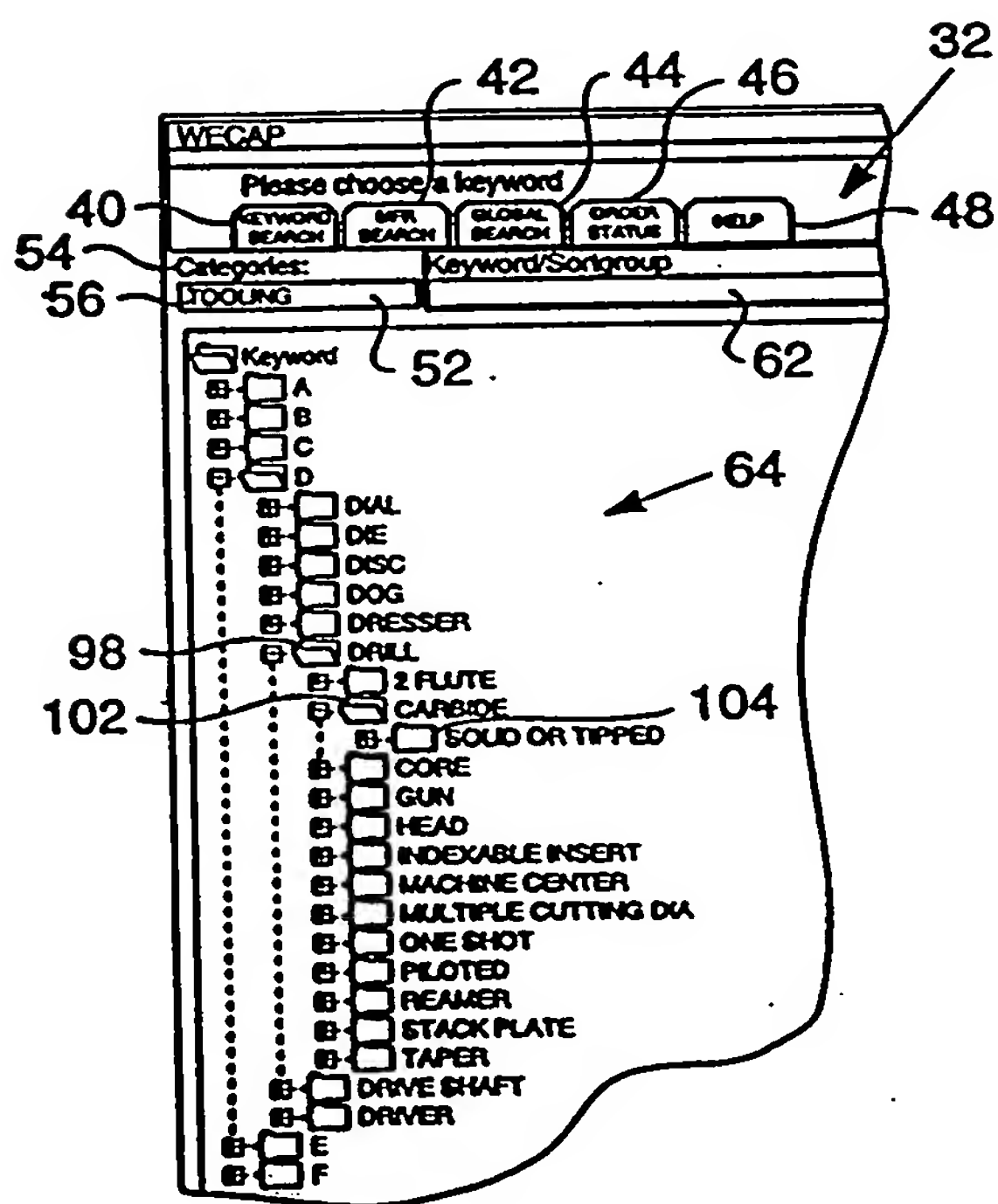


Fig. 6D

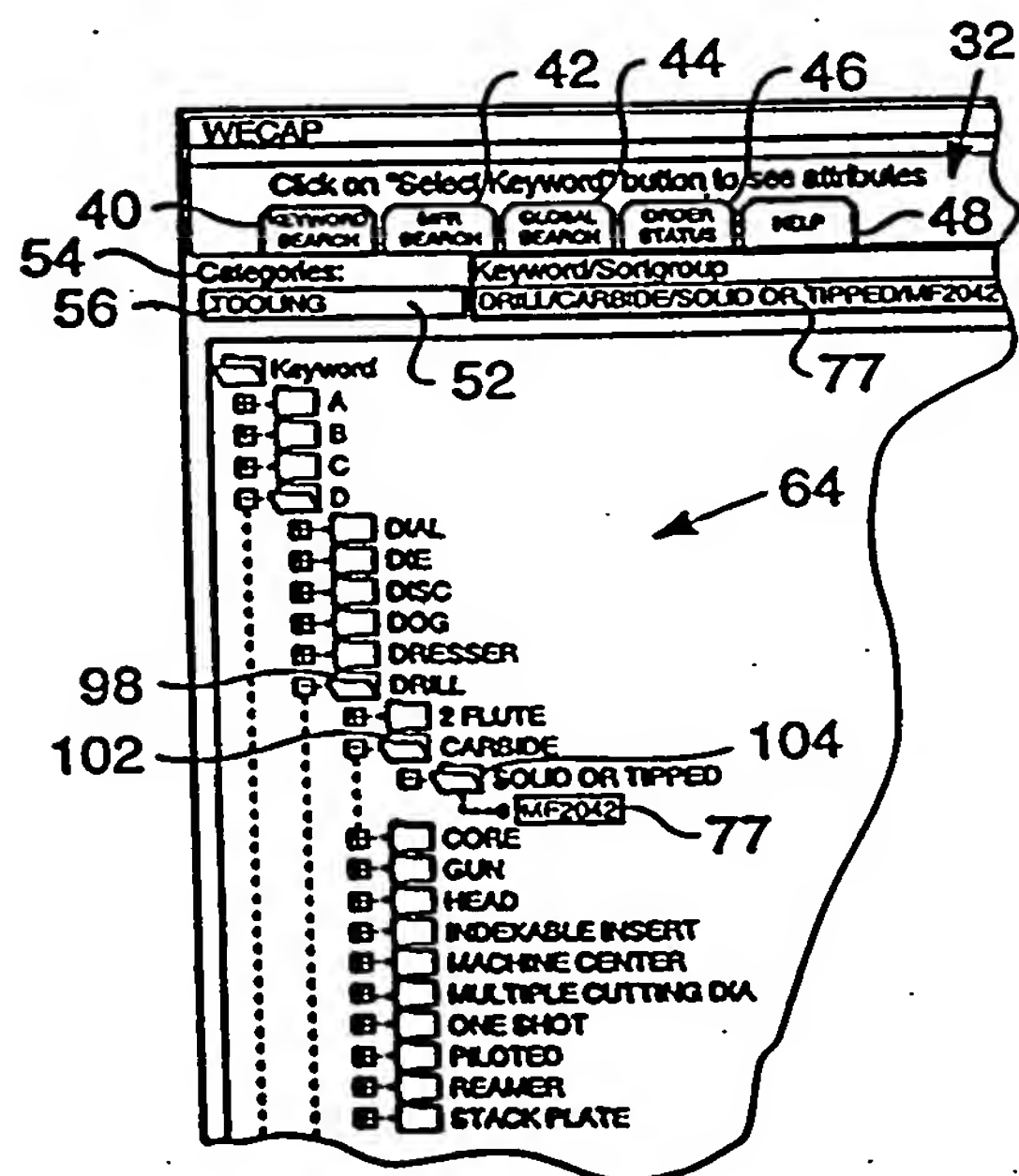


Fig. 7

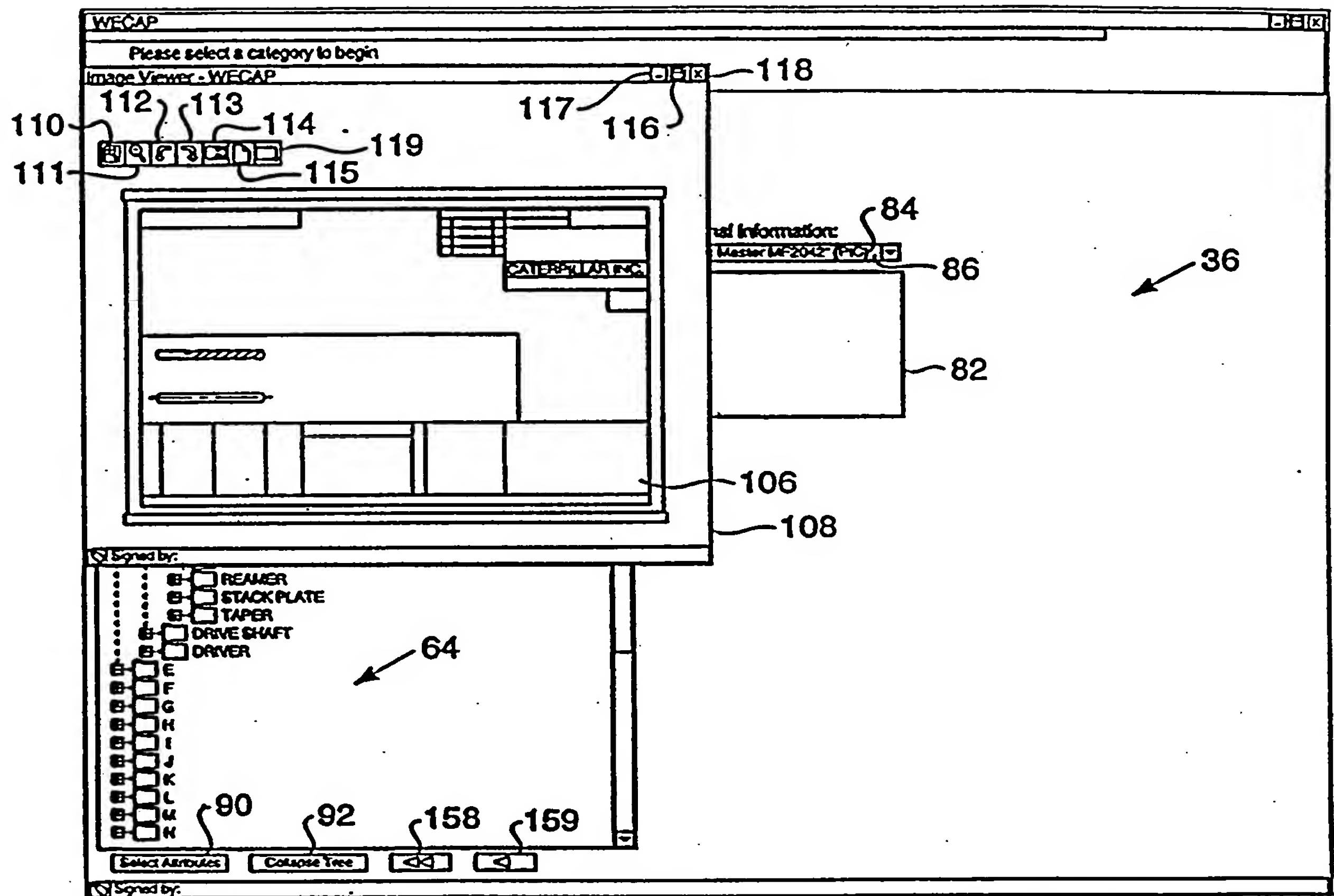


Fig. 8A

105541-01803

32

40 42 44 46

54 WE CAP

56 17 attribute(s) found

KEYWORD SEARCH BFR SEARCH GLOBAL SEARCH ORDER STATUS HELP 48 77

Categories: Keyword/Sortgroup 126

TOOLING DRILL/CARBIDE/SOLID OR TIPPED/MF2042

| Attributes | Equal to | Minimum | Maximum |
|--------------------|----------|---------|---------|
| SHAPE | | | |
| CUTTING DIA-A | | | |
| OVERALL LENGTH-B | 122 | 124 | |
| FLUTE LENGTH-C | | | |
| SHANK DIAMETER-D | | | |
| SRK REDUCED LGTH-E | | | |
| POINT STYLE | | | |
| POINT ANGLE-F | | | |
| MARGIN | 120 | | |
| OIL HOLE | | | |
| MATERIAL TYPE | | | |
| MATERIAL GRADE | | | |
| PT GRD INC ANG-G | | | |
| PT GRD LGTH-H | | | |
| PT GRD PT LGTH-I | | | |
| QTY FLUTES | | | |
| SURFACE TREAT | | | |

138 148 146

142 136 144

Search Clear All Clear Row 159

154 150 152 158

Fig. 8B

42 44 46

WECAP

17 attribute(s) found

40 54 56 52

KEYWORD SEARCH BFR SEARCH GLOBAL SEARCH ORDER STATUS HELP 48

Categories: Keyword:

TOOLING DRILL/CARBIDE/SOLID OR TIPPED

Attributes Equal to 122

SHAPE 130

CUTTING DIA-A

OVER ALL LENGTH-B

FLUTE LENGTH-C

View the attributes of the selected keyword.

SHK REDUCED LGTH-E

POINT STYLE

POINT ANGLE-F

128

Fig. 8C

42 44 46

WECAP

17 attribute(s) found

40 48

KEYWORD SEARCH BFR SEARCH GLOBAL SEARCH ORDER STATUS HELP

Categories: Keyword:

TOOLING DRILL/CARBIDE/SOLID OR TIPPED

Attributes Equal to 122

SHAPE 130

CUTTING DIA-A

OVER ALL LENGTH-B 1.0000

FLUTE LENGTH-C 2.0000

SHANK DIAMETER-D

SHK REDUCED LGTH-E

POINT STYLE 132

POINT ANGLE-F

Fig. 8D

42 44 46

WECAP

17 attribute(s) found

40 54 56 52

KEYWORD SEARCH BFR SEARCH GLOBAL SEARCH ORDER STATUS HELP 48

Categories: Keyword:

TOOLING DRILL/CARBIDE/SOLID OR TIPPED DMF2042

Attributes Equal to Minimum Maximum

SHAPE 122 133 134

CUTTING DIA-A

OVER ALL LENGTH-B

FLUTE LENGTH-C

SHANK DIAMETER-D

SHK REDUCED LGTH-E

POINT STYLE

POINT ANGLE-F

MARGIN

OIL HOLE

MATERIAL TYPE

MATERIAL GRADE

PT GRINDING ANG-G

PT GRIND LGTH-H

PT GRIND PT LGTH-I

QTY FLUTES

SURFACE TREAT

32 36

[illegible]142

- 140

142

Database System Facilitating Textual

Search by: Steven C. Bailey, et al.

Filed: January 18, 2002 Sheet 15 of 49

Fig. 9A

168 40 54 56 52 160

WECAP

Results 1-100 of 398

KEYWORD SEARCH MFR SEARCH GLOBAL SEARCH ORDER STATUS HELP

Categories: TOOLING Keyword: DRYLL/CARBIDE/SOLID OR TIPPER/MF2042

32 164 165 166 167 36

| PART NO. | SHAPE | CUTTING DIA-A | OVERALL LENGTH-B | FLUTE LENGTH-C | SHANK DIAMETER-D | SHK REDUCED LGH-E | POINT |
|------------|--------|---------------|------------------|----------------|------------------|-------------------|-------|
| 0020420411 | 1.0000 | 1.2000 | 30.0000 | 13.0000 | 1.5000 | | |
| 0020378942 | 1.0000 | 1.2000 | 38.1000 | 19.1000 | 1.2000 | | |
| 0020420284 | 1.0000 | 1.3400 | 49.0000 | 4.0000 | 3.1800 | | |
| 0020420415 | 1.0000 | 1.4000 | 50.8000 | 15.0000 | 1.4000 | | 1.00 |
| 0020384374 | 1.0000 | 1.4200 | 50.8000 | 25.4000 | 1.4200 | | 1.00 |
| 0020376682 | 1.0000 | 1.6000 | 38.2000 | 19.1000 | 1.6000 | | 1.00 |
| 0020420271 | 1.0000 | 1.6990 | 38.1000 | 9.7000 | 3.1700 | | 1.00 |
| 0020420147 | 1.0000 | 1.7000 | 43.0000 | 20.0000 | 1.7000 | | 2.00 |
| 0020420266 | 1.0000 | 1.7090 | 39.9000 | 11.9000 | 1.7000 | | 1.00 |
| 0020420536 | 1.0000 | 10.0000 | 101.6000 | 47.6000 | 10.0000 | | |
| 0020420442 | 1.0000 | 10.0000 | 114.9000 | 73.0000 | 10.0000 | | |
| 0020420446 | 1.0000 | 10.0000 | 114.9000 | 73.0000 | 10.0000 | | |
| 0020420321 | 1.0000 | 10.0000 | 136.0000 | 80.0000 | 10.0000 | 1.0000 | 1.00 |
| 0020373832 | 1.0000 | 10.0000 | 75.0000 | 38.0000 | 10.0000 | | 1.00 |
| 0020382362 | 1.0000 | 10.0000 | 90.5000 | 43.5000 | 16.0000 | 40.0000 | |
| 0020420412 | 1.0000 | 10.3000 | 139.5000 | 75.6000 | 12.0000 | | |
| 0020420462 | 1.0000 | 10.3200 | 112.0000 | 66.0000 | 10.3200 | | |
| 0020420222 | 1.0000 | 10.3200 | 128.0000 | 78.0000 | 15.8750 | | |
| 0020420257 | 1.0000 | 10.5000 | 108.4000 | 61.4000 | 16.0000 | 40.0000 | |
| 0020420444 | 1.0000 | 10.5000 | 114.3000 | 73.0000 | 10.5000 | | |
| 0020420527 | 1.0000 | 10.5000 | 118.0000 | 71.0000 | 12.0000 | | |
| 0020363318 | 1.0000 | 10.5000 | 140.0000 | 80.0000 | 16.0000 | | 1.00 |
| 0020420158 | 1.0000 | 10.5000 | 140.0000 | 80.0000 | 16.0000 | | 1.00 |
| 0020420122 | 1.0000 | 10.5000 | 149.0000 | 84.0000 | 11.0000 | | 1.00 |
| 0020420195 | 1.0000 | 10.5000 | 152.0000 | 76.0000 | 10.5000 | | 1.00 |
| 0020420068 | 1.0000 | 10.5000 | 184.0000 | 117.0000 | 10.5000 | | 1.00 |
| 0020420357 | 1.0000 | 10.5000 | 85.7000 | 50.8000 | 10.5000 | | 2.00 |

170 172 174 176

Details Attributes Prev 100 Next 100 Reset Modify

208 212 180 178 496 482

Unit: ☒ Default ☐ Metric ☐ English

158 159

Signed by:

Figure 1 is a screenshot of a software interface for a tool catalog. The interface includes a top menu bar with "WECAP", "Results 1-100 of 398", and buttons for "KEYWORD SEARCH", "SORT", "GLOBAL", "GRADE", and "HELP". A "Categories:" dropdown is set to "TOOLING". A central "Sort Order" dialog box is open, showing a list of attributes (SHAPE, CUTTING DIA-A, OVER ALL LENGTH-B, FLUTE LENGTH-C, SHANK DIAMETER-D, SHK REDUCED LGH-E, POINT STYLE, POINT ANGLE-F, MARGIN, OIL HOLE, MATERIAL TYPE, MATERIAL GRADE, PT GRD INC ANG-G, PT GRIND LGTH-H, PT GRD PT LGTH-J, QTY FLUTES, SURFACE TREAT) and a "New sort order" section. Below the dialog is a table with columns for "PART NO.", "1.0000", "10.5000", "140.0000", "80.0000", "16.0000", and "1.00". The bottom of the interface has a "View Results" section with buttons for "Details", "Attributes", "Prev. 100", "Next 100", "Reset", and "Modify...". The interface is annotated with various numbers (168, 40, 54, 56, 52, 42, 44, 46, 48, 184, 188, 186, 194, 196, 198, 170, 172, 174, 176, 208, 212, 180, 178, 196, 182, 158, 159) pointing to specific elements.

Fig. 9C

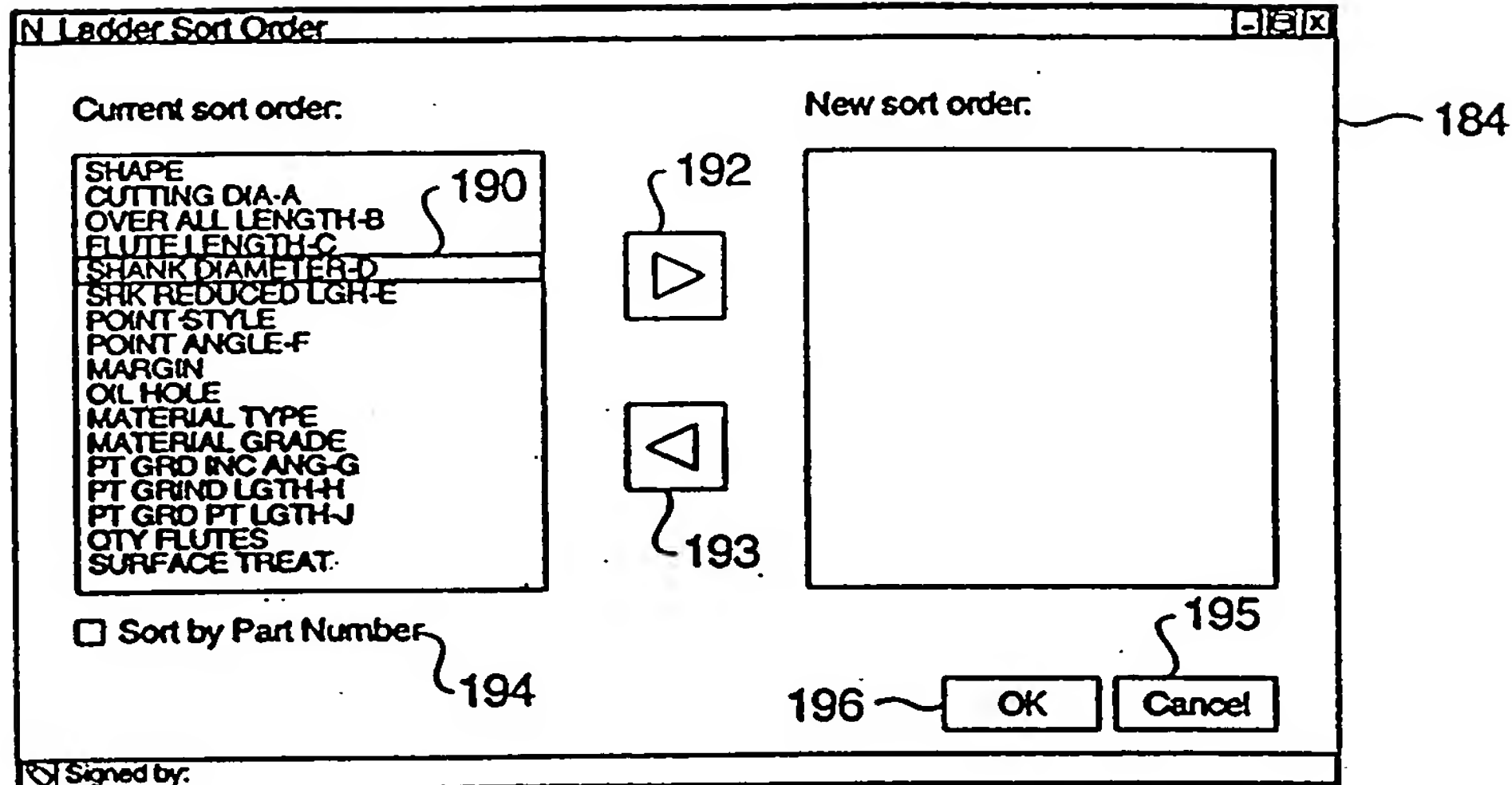


Fig. 9D

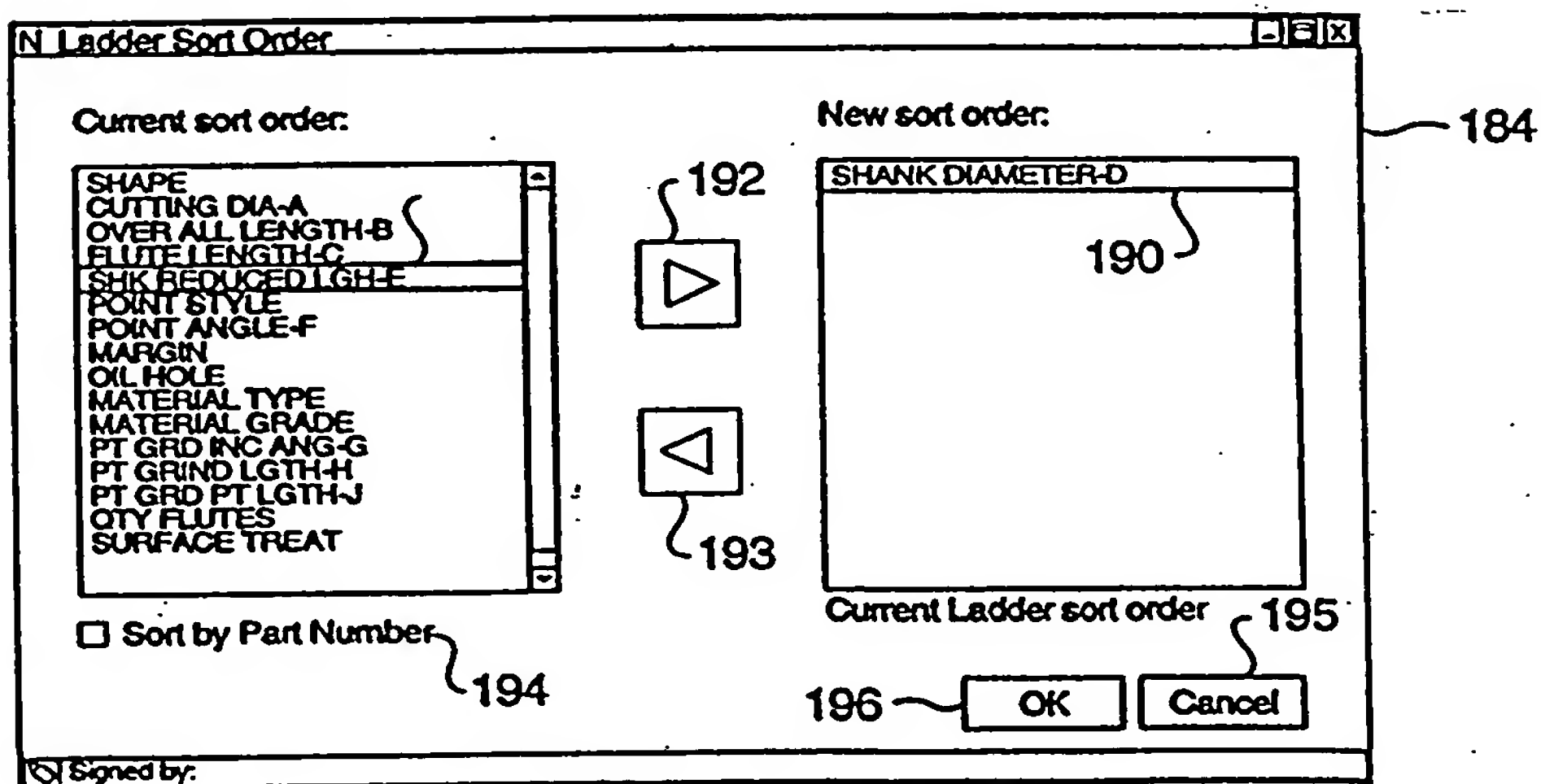


Fig. 9E

168
40
54
56
52

42 44 46

32 36

48

WECAP

Results 1-100 of 398

KEYWORD SEARCH
SFR SEARCH
GLOBAL SEARCH
ORDER STATUS
HELP

Categories: Keyword:
TOOLING DRILL/CARBIDE/SOLID OR TIPPED/MAF2042

| PART NO. | SHANK DIAMETER-D | SHAPE | CUTTING DIA-A | OVERALL LENGTH-B | FLUTE LENGTH-C | SHK REDUCED LGHE | POINT |
|------------|------------------|--------|---------------|------------------|----------------|------------------|-------|
| 0020378942 | 1.2000 | 1.0000 | 1.2000 | 28.1000 | 19.1000 | | |
| 0020420415 | 1.4000 | 1.0000 | 1.4000 | 50.8000 | 15.0000 | | 1.00 |
| 0020384374 | 1.4200 | 1.0000 | 1.4200 | 50.8000 | 25.4000 | | 1.00 |
| 0020420411 | 1.5000 | 1.0000 | 1.2000 | 50.0000 | 13.0000 | | |
| 0020376682 | 1.6000 | 1.0000 | 1.6000 | 38.2000 | 19.1000 | | 1.00 |
| 0020420147 | 1.7000 | 1.0000 | 1.7000 | 43.0000 | 20.0000 | | 2.00 |
| 0020420266 | 1.7000 | 1.0000 | 1.7090 | 39.9000 | 11.8000 | | 1.00 |
| 0020420536 | 10.0000 | 1.0000 | 10.0000 | 101.6000 | 47.6000 | | |
| 0020420442 | 10.0000 | 1.0000 | 10.0000 | 114.3000 | 73.0000 | | |
| 0020420448 | 10.0000 | 1.0000 | 10.0000 | 114.3000 | 73.0000 | | |
| 0020420321 | 10.0000 | 1.0000 | 10.0000 | 135.0000 | 80.0000 | 1.0000 | 1.00 |
| 0020373832 | 10.0000 | 1.0000 | 10.0000 | 75.0000 | 35.0000 | | 1.00 |
| 0020420402 | 10.0000 | 1.0000 | 8.2000 | 101.6000 | 47.6000 | 40.0000 | |
| 0020420532 | 10.0000 | 1.0000 | 8.2000 | 10.5000 | 61.0000 | | |
| 0020420531 | 10.0000 | 1.0000 | 8.2000 | 103.0000 | 61.0000 | 40.0000 | |
| 0020420287 | 10.0000 | 1.0000 | 9.2000 | 135.0000 | 80.0000 | | 1.00 |
| 0020420114 | 10.0000 | 1.0000 | 9.5000 | 135.0000 | 75.0000 | | 1.00 |
| 0020420126 | 10.0000 | 1.0000 | 9.6000 | 145.0000 | 80.0000 | | 1.00 |
| 0020420547 | 10.0000 | 1.0000 | 9.7000 | 151.0000 | 109.3000 | | |
| 0020420417 | 10.0000 | 1.0000 | 8.3000 | 102.0000 | 62.0000 | | 1.00 |
| 0020385155 | 10.0080 | 1.0000 | 8.7000 | 102.0000 | 65.0000 | | 1.00 |
| 0020780101 | 10.3120 | 2.0000 | 11.1130 | 139.7000 | 75.2000 | 127.0000 | |
| 0020420468 | 10.3200 | 1.0000 | 10.3200 | 112.0000 | 65.0000 | | |
| 0020420444 | 10.5000 | 1.0000 | 10.5000 | 114.3000 | 73.0000 | | |
| 0020420195 | 10.5000 | 1.0000 | 10.5000 | 152.0000 | 75.0000 | | 1.00 |
| 0020420066 | 10.5000 | 1.0000 | 10.5000 | 184.0000 | 117.0000 | | 1.00 |
| 0020420357 | 10.5000 | 1.0000 | 10.5000 | 85.7000 | 50.8000 | | 2.00 |

170 View Results 172 Ladder Sort Order 174 Units 176

Details Attributes Prev 100 Next... Reset Modify... 198 200 202

208 212 180 178 196 182 158 159

Signed by:

Database System Facilitating Textual Search by: Steven C. Bailey, et al.
Filed: January 18, 2002 Sheet 19 of 49

100-443887-100

204

206

Fig. 9G

| PART NO. | CUT DIA-A | OVERALL LENGTH+8 | SHANK DIA-C | SHANK LENGTH+40 | TP LENGTH+E | FLUTE LENGTH+F | PNT |
|------------|-----------|------------------|-------------|-----------------|-------------|----------------|------|
| 0019458262 | 20.5003 | 204.0380 | 22.2250 | 88.9000 | 67.2120 | 214.6300 | 2.00 |
| 0019456932 | 20.6375 | 293.7000 | 25.4000 | 88.9000 | 44.4500 | 292.1000 | 2.00 |
| 0019454812 | 21.0312 | 482.6000 | 26.0673 | 101.6000 | 60.8000 | 374.6500 | 2.00 |
| 0019458472 | 21.7170 | 304.8000 | 25.4000 | 76.2000 | 60.8000 | 215.9000 | 2.00 |
| 0019454002 | 22.1869 | 408.0000 | 26.0949 | 101.6000 | 76.2000 | 374.6500 | 2.00 |
| 0019457302 | 23.2125 | 406.4000 | 25.4000 | 88.9000 | 60.8000 | 292.1000 | 2.00 |
| 0019458042 | 23.2232 | 355.6000 | 26.0949 | 101.6000 | 60.8000 | 347.6500 | 2.00 |
| 0019454802 | 23.2232 | 482.6000 | 26.0949 | 101.6000 | 76.2000 | 345.2500 | 2.00 |
| 0019456282 | 24.2087 | 812.8000 | 25.3898 | 69.8500 | 36.1000 | 730.2500 | 2.00 |
| 0019457752 | 24.3885 | 608.0000 | 31.7500 | 88.9000 | 76.2000 | 381.0000 | 2.00 |
| 0019454392 | 25.4000 | 431.8000 | 26.0949 | 101.6000 | 60.8000 | 317.5000 | 2.00 |
| 0019458132 | 25.4990 | 352.5520 | 25.3949 | 141.4780 | 76.2000 | 211.0740 | 2.00 |
| 0019457922 | 26.3875 | 254.0000 | 25.4000 | 88.9000 | 61.9750 | 139.7000 | 2.00 |
| 0019457312 | 26.3875 | 406.4000 | 25.4000 | 88.9000 | 60.8000 | 292.1000 | 2.00 |
| 0019454862 | 26.3875 | 482.6000 | 26.0949 | 101.6000 | 67.1500 | 355.6000 | 2.00 |
| 0019457742 | 27.5615 | 608.0000 | 31.7500 | 88.9000 | 76.2000 | 381.0000 | 2.00 |
| 0019459287 | 32.0040 | 266.7000 | 38.0949 | 76.2000 | 61.8160 | 190.5000 | 2.00 |
| 0019458315 | 11.0000 | 658.8000 | 19.0470 | 69.9000 | 45.2000 | 482.6000 | 2.00 |
| 0019458962 | 11.5000 | 279.4000 | 25.4000 | 88.9000 | 26.4000 | 177.8000 | 2.00 |
| 0019459272 | 14.0000 | 266.7000 | 25.4000 | 88.9000 | 38.1000 | 165.0000 | 2.00 |
| 0019459252 | 14.5000 | 266.7000 | 25.4000 | 63.5000 | 63.5000 | 190.5000 | 2.00 |
| 0019458502 | 14.5000 | 304.8000 | 25.3950 | 76.2000 | 36.1000 | 215.9000 | 2.00 |
| 0019459246 | 15.0000 | 340.0000 | 25.4000 | 60.0000 | 25.4000 | 267.2000 | 2.00 |
| 0019459247 | 16.7500 | 290.0000 | 25.4000 | 60.0000 | 25.4000 | 317.2000 | 2.00 |
| 0019458812 | 17.0000 | 400.0000 | 25.4000 | 101.6000 | 17.5000 | 272.4000 | 2.00 |
| 0019459222 | 17.0000 | 400.0000 | 25.4000 | 101.6000 | 36.5000 | 285.8000 | 2.00 |
| 0019458732 | 18.2500 | 307.4000 | 22.2250 | 88.9000 | 67.8000 | 218.0000 | 2.00 |

170

172

174

176

Details

Attributes

Prev 100

Last 6

Reset

Modify...

208

212

180

178

196

182

198

200

202

158

159

Fig. 9H

| PART NO. | CUT DIA-A | OVERALL LENGTH+8 | SHANK DIA-C | SHANK LENGTH+40 | TP LENGTH+E | FLUTE LENGTH+F | PNT |
|------------|-----------|------------------|-------------|-----------------|-------------|----------------|------|
| 0019459262 | 8.071 | 11.9700 | 8.750 | 3.5000 | 2.2800 | 8.4500 | 2.00 |
| 0019456992 | 8.125 | 15.5000 | 1.0000 | 3.5000 | 1.7500 | 11.5000 | 2.00 |
| 0019454812 | 8.280 | 19.0000 | 1.4995 | 4.0000 | 2.0000 | 14.7500 | 2.00 |
| 0019458472 | 8.550 | 12.0000 | 1.0000 | 3.0000 | 2.0000 | 8.5000 | 2.00 |
| 0019454002 | 8.735 | 20.0000 | 1.4998 | 4.0000 | 2.0000 | 14.7500 | 2.00 |
| 0019457302 | 8.375 | 16.0000 | 1.0000 | 3.5000 | 2.0000 | 11.5000 | 2.00 |
| 0019458042 | 8.380 | 14.0000 | 1.4998 | 4.0000 | 2.0000 | 9.7500 | 2.00 |
| 0019454802 | 8.380 | 19.0000 | 1.4998 | 4.0000 | 2.0000 | 13.7500 | 2.00 |
| 0019456282 | 9.531 | 32.7000 | 8.996 | 2.7500 | 1.5000 | 26.7500 | 2.00 |
| 0019457752 | 9.601 | 20.0000 | 1.2500 | 3.5000 | 3.0000 | 15.0000 | 2.00 |
| 0019454392 | 1.0000 | 17.0000 | 1.4998 | 4.0000 | 2.0000 | 12.5000 | 2.00 |
| 0019458132 | 1.0039 | 13.8800 | 8.996 | 6.5700 | 3.0000 | 8.3100 | 2.00 |
| 0019457922 | 1.0625 | 10.0000 | 1.0000 | 3.5000 | 2.4400 | 6.5000 | 2.00 |
| 0019457312 | 1.0625 | 16.0000 | 1.0000 | 3.5000 | 2.0000 | 11.5000 | 2.00 |
| 0019454862 | 1.0625 | 19.0000 | 1.4998 | 4.0000 | 2.2500 | 14.0000 | 2.00 |
| 0019457742 | 1.0851 | 20.0000 | 1.2500 | 3.5000 | 2.0000 | 15.0000 | 2.00 |
| 0019459287 | 1.2600 | 10.5000 | 1.4998 | 3.0000 | 2.0400 | 7.5000 | 2.00 |
| 0019459315 | 0.4330 | 21.8999 | 0.7498 | 2.7518 | 1.7785 | 19.0000 | 2.00 |
| 0019458962 | 0.4537 | 10.9999 | 0.9222 | 2.5000 | 1.1181 | 7.0000 | 2.00 |
| 0019459272 | 0.4511 | 10.4999 | 0.9222 | 2.5000 | 1.5000 | 6.4999 | 2.00 |
| 0019459252 | 0.5708 | 10.4999 | 0.9222 | 2.5000 | 2.5000 | 7.4999 | 2.00 |
| 0019458502 | 0.5708 | 12.0000 | 0.9998 | 3.0000 | 1.5000 | 8.5000 | 2.00 |
| 0019459246 | 0.5905 | 13.3858 | 0.9999 | 2.2622 | 0.9999 | 10.5186 | 2.00 |
| 0019459247 | 0.5594 | 15.3543 | 0.9999 | 2.2622 | 0.9999 | 12.4881 | 2.00 |
| 0019458812 | 0.6692 | 15.7480 | 0.9999 | 3.9999 | 0.6889 | 10.9299 | 2.00 |
| 0019459222 | 0.6692 | 15.7480 | 0.9999 | 3.9999 | 1.4291 | 11.2519 | 2.00 |
| 0019458732 | 0.7185 | 12.1023 | 0.8750 | 3.5000 | 2.2795 | 8.5826 | 2.00 |

170

172

174

176

Details

Attributes

Prev 100

Last 6

Reset

Modify...

208

212

180

178

196

182

198

200

202

158

159

Fig. 10

WECAP

Item number 1 of 398

Keyword Search MFR Search Global Search Order Status Help

Categories: TOOLING Keyword: DRILL CARBIDE/SOLID OR TIPPED DRILL

Item #: 0020420411 Price: \$1.00 MFR Name: GURPING MFR Part #: 0701 Web Link:

Description: 1 SHAPE, 001200 CUTTING DIA, 00300 OVER ALL LENGTH, 0013.0 FLUTE LENGTH, 001500 SHANK DIAMETER, 0000 SHK REDUCED LGH, 0 POINT STYLE, 130 POINT ANGLE, 1 MARGIN, NO OIL APPLYD, GURPING 701

Location: (Click location for quantity) CAT DIRECT MATERIALS PURCH - UF FUEL SYSTEMS - 77 Site: J18 Quantity: 150 Building Code: 6

FRASTAR IMAGE.PIC

Order 1 of 398

Navigation: Previous Next

Fig. 11

Employee Name 248
KIPLINGER

Employee ID 249
0000039596

Emp Div/Sec 250
865/60

Class/Ident 251
1 0020420411 252

Facility Code 253
29

Building Code 254
B

Crib No. 255
27

Keyword 256
DRILL CARBIDE/SOLID OR TIPPED MF2040

UM 258
PC

Description 264
1 SHAPE, 001,200 CUTTING DIA,
0030,0 OVER ALL LENGTH, 0013,0
FLUTE LENGTH, 001,500 SHANK
DIAMETER, 000,0 SHK REDUCED LGH,
0 POINT STYLE, 130 POINT ANGLE,
1 MARGIN, NO OIL APPVD: GUHRING
701

Qty Off: 150 265

Alloc: 266

Qty Ordered 260
10

Charge Div/Sec 261
865/60

Expense Acct. 262
899

Equipment No. 268
123456789

Order No. 269

Hot Indicator 270

Tool Control 266

Delivery Note 271

Submit 272

Cancel 273

Help 274

Signed by: 246

Fig. 12A

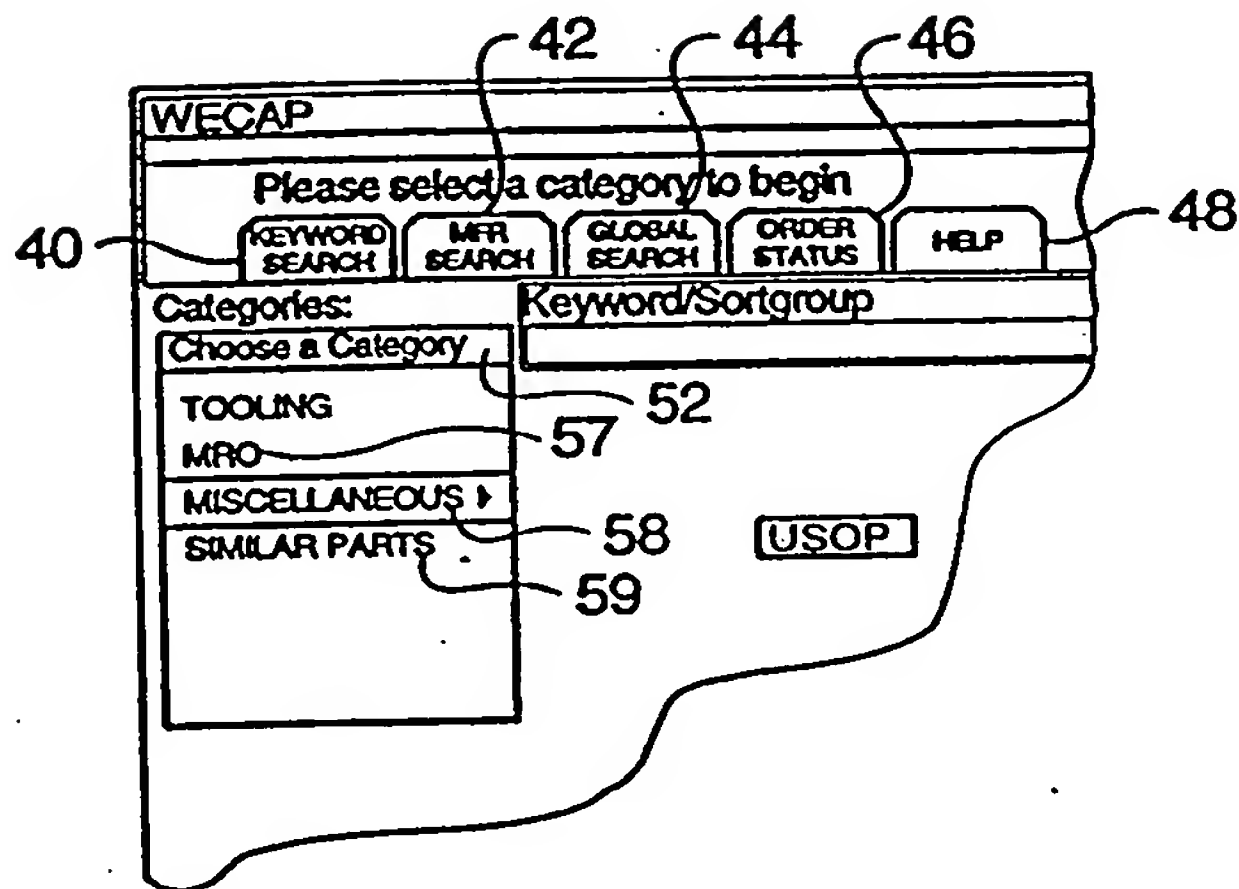


Fig. 12B

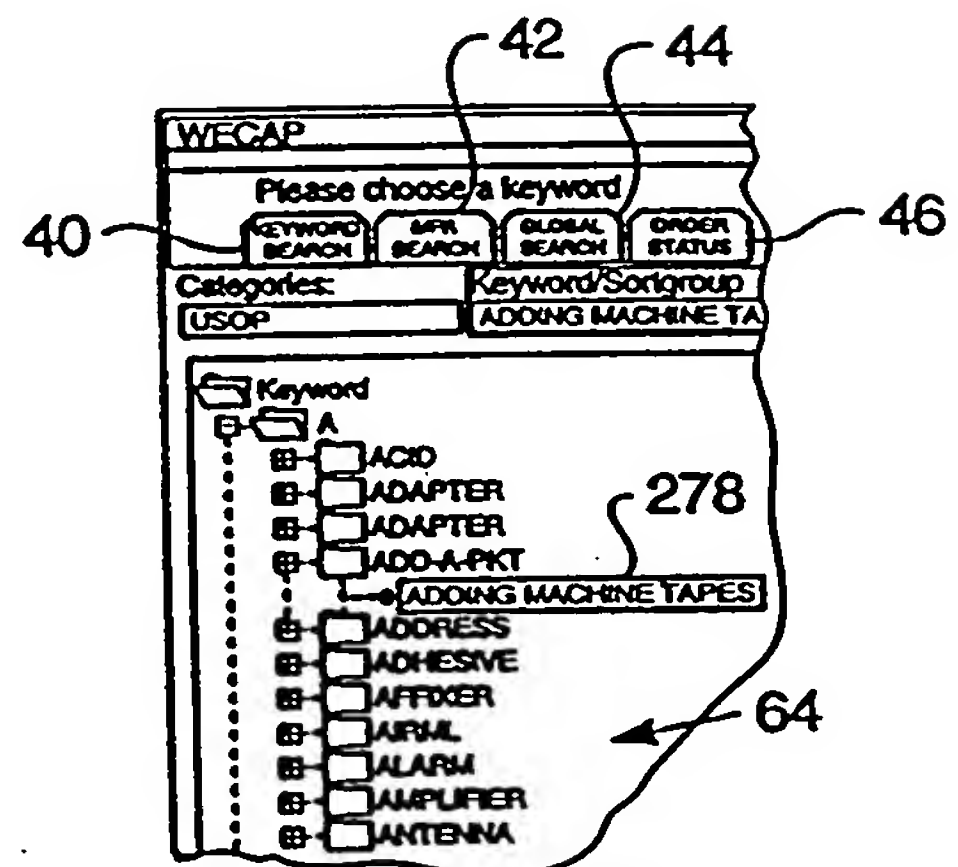


Fig. 12C

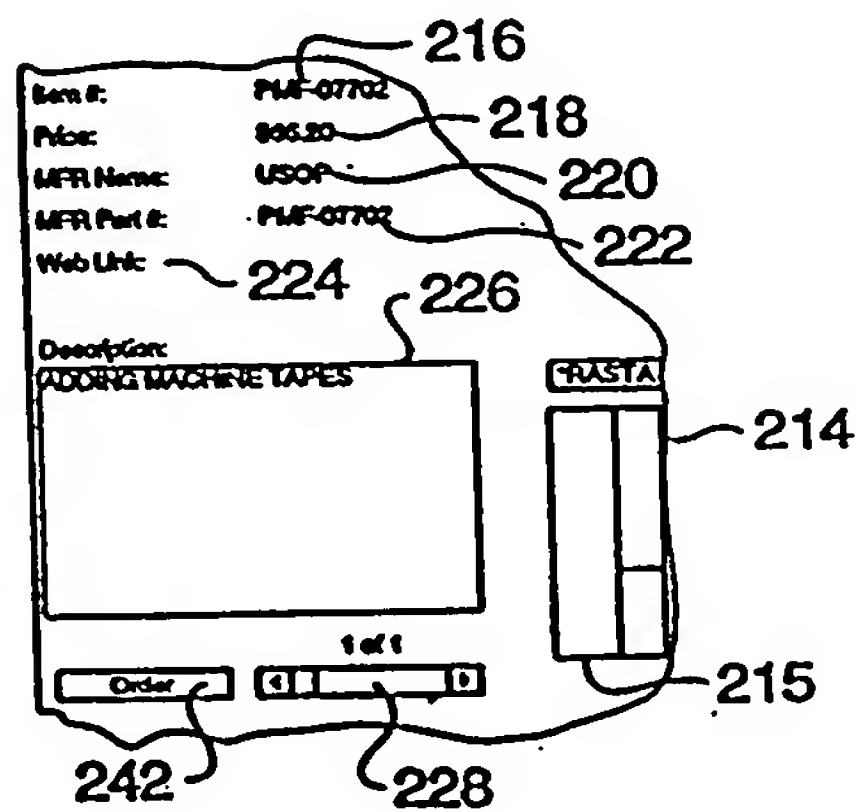


Fig. 13A

WECAP

32

REOR NAME PHONE EXT DELIVER TO LOCATION BUY FAC RCV FAC PO PREFIX DOCK NO DATE
KIPLINGER 43397 [] [] (UBG) [] 2000-04-19

REOR E-MAIL ID DELIVER TO NAME PH EXT DEL TO CODE SHIP ROUTING DUE DATE
[] [] [] [] [] 2000-04-20

NOTE CODES: REMARKS: (Internal) REBILL CODE
(U9) 400 [] []
[] []
[] []

NOTES: (To Supplier)
[]
[]

DISTRIBUTION FAC DEPT DIV SECT EXP ORDER NO. MISC TAX CODE TAX QUAL ☐ MANUAL REVIEW
ACCOUNTING (NT) 00994 1865 60 [] [] [] [] [] []

ITEM NO. CATERPILLAR/DENT. NO. DESCRIPTION QUANTITY U/M PRICE PER
(01) (PMF-07702) ADDING MACHINE TAPES [] CTN 66.21 []

Submit Cancel Charge To Help

Signed by: 280 282

Signed by: 36

Fig. 13B

10052542-014802

284

REQR NAME PHONE EXT DELIVER TO LOCATION BUY FAC RCV FAC PO PREFIX DOCK NO DATE
KIPLINGER 43397 UBG 2000-04-19

REQR E-MAIL ID DELIVER TO NAME PH EXT DEL TO CODE SHIP ROUTING DUE DATE
2000-04-20

NOTE CODES: 286 REMARKS: (Internal)
U9 400
NOTES: (To Supplier)

DISTRIBUTION FAC DEPT DIV SECT EXP ORDER NO. MISC TAX CODE TAX QUAL ☐ MANUAL REVIEW
ACCOUNTING NT J0994 865 60
Fac Control/Act Sub Act Sub Sub Order No. Misc

ITEM NO. CATERPILLAR IDENT. NO. DESCRIPTION QUANTITY UOM PRICE PER
01 PMF-07702 288 ADDING MACHINE TAPES 289 CTN 66.21 290 291

287

Submit Cancel Charge To Help

292

Signed by:

Figure 1 is a screenshot of a computer interface for a "Charge To" form. The form is titled "Charge To: (If other than Submitter)". It includes fields for "Last Name" (containing "Blessin"), "Fac Code", and a large empty box labeled 295. There are radio buttons for "Employee" (selected), "Contractor", and "Both". A "Signed by:" field is at the bottom left. On the right, there are buttons for "Search", "Clear", "Select", and "Cancel". At the bottom of the window are buttons for "Submit", "Cancel", "Charge To" (labeled 292), and "Help". The interface also shows a sidebar with "REOR NAME" (KIPLINGER), "REOR E-MAIL ID", "NOTE CODES" (U9, 400), "DISTRIBUTION ACCOUNTING", and "ITEM NO. CATE" (01, PMF-0). A cursor arrow points to the bottom right corner of the window, labeled 280.

Fig. 13D

20310-2433001

01304

REQR NAME
KIPLINGER

REQR E-MAIL ID

NOTE CODES:
U9 400

DISTRIBUTION
ACCOUNTING

ITEM NO. CATER
01 PMF-0

Signed by:

Charge To: (If other than Submitter)

Last Name 293
Blessin

Fac Code 297

283
☒ Employee

295
☐ Contractor

296
☐ Both

300

298
Search

299
Clear

300
Select

299
Cancel

294
VIEW

280

Submit Cancel Charge To 292 Help

Fig. 13E

2004-01-18

The form is a screenshot of a database interface. It contains several sections with fields and callouts. The top section includes fields for REQR NAME (BLESSIN), PHONE EXT (43401), DELIVER TO LOCATION, BUY FAC, RCV FAC, PO PREFIX (UBG), DOCK NO, and DATE (2000-04-20). The middle section includes REQR E-MAIL ID, DELIVER TO NAME, PH EXT, DEL TO CODE, SHIP ROUTING, DUE DATE (2000-04-21), NOTE CODES (U9, 400), REMARKS (Internal), NOTES (To Supplier), and REBILL CODE. The bottom section includes DISTRIBUTION ACCOUNTING, FAC DEPT (NT), DIV (00994), SECT (865), EXP (60), ORDER NO., MISC, TAX CODE, TAX QUAL, and MANUAL REVIEW. The bottom-most section includes ITEM NO. (01), CATERPILLAR IDENT. NO. (PMF-07702), DESCRIPTION (ADDING MACHINE TAPES), QUANTITY, UOM (CTN), PRICE (66.21), and PER. At the bottom are buttons for Submit, Cancel, Charge To, and Help. Callouts 284 through 358 point to various fields and buttons.

310 312

284 302 307 305 318 285

REQR NAME PHONE EXT DELIVER TO LOCATION BUY FAC RCV FAC PO PREFIX DOCK NO DATE

BLESSIN 43401 UBG 2000-04-20

320 322 324 328 330 326

REQR E-MAIL ID DELIVER TO NAME PH EXT DEL TO CODE SHIP ROUTING DUE DATE

2000-04-21

NOTE CODES: 286 REMARKS: (Internal)

U9 400

NOTES: (To Supplier)

334 335 336 337 304 340 342 344 346 350

DISTRIBUTION ACCOUNTING FAC DEPT DIV SECT EXP ORDER NO. MISC TAX CODE TAX QUAL MANUAL REVIEW

NT 00994 865 60 Order No. Misc

308 309 290 291 352

ITEM NO. CATERPILLAR IDENT. NO. DESCRIPTION QUANTITY UOM PRICE PER

01 PMF-07702 ADDING MACHINE TAPES CTN 66.21

287 288 289 292 358

Submit Cancel Charge To Help

Signed by:

Fig. 13F

10034-0130

305

BUY FAC RCV FAC

PO PREFIX DOCK NO DATE

UBG 2000-04-24

UBG

UBGA

UBGC

UBGD

UBGE

UBGF

UBGG

SHIP ROUTING DUE DATE

2000-04-25

REBILL CODE

316

Fig. 13G

10564-0400

334 335 336 304 308

| DISTRIBUTION | FAC DEPT | DN | SECT | EXP | ORDER NO. | MISC | TAX CODE | TAX QUAL | <input type="checkbox"/> MANUAL REVIEW |
|--------------|---------------------------|-------|------|-----|-------------|----------|----------|----------|--|
| ACCOUNTING | N1 | 00944 | 865 | 70 | 1087 | | | | |
| 1022 | RPR AND MAIN-VEHICLES | | | | Order No. | Misc | | | |
| 1066 | RPR TO EQUIPMENT | | | | DESCRIPTION | QUANTITY | UM | PRICE | PER |
| 1068 | RPR AND MAIN-BUILDINGS | | | | CHINE TAPES | | CTN | 6621 | |
| 1081 | SUP-FURN AND OFFICE EQUIP | | | | | | | | |
| 1087 | SUP-MISCELLANEOUS | | | | | | | | |
| 1094 | OTHER SPEC ORDERS | | | | | | | | |

338

Charge To Help

Signed by:

Fig. 13H

10052642-011802

| | | | | |
|---------------------------------|--------------------------------------|----------|----------|--|
| DISTRIBUTION ACCOUNTING | FAC DEPT DIV SECT EXP ORDER NO. MISC | TAX CODE | TAX QUAL | <input type="checkbox"/> MANUAL REVIEW |
| | NT J0944 865 70 1087 | | | |
| ITEM NO. CATERPILLAR/IDENT. NO. | FAC Control/Act Sub Act S | | | |
| 01 PME-07702 | DEFAULT | | | |
| | BZ BUSINESS ZONE | UM | PRICE | PER |
| | CR PURCH CREDIT | TN | 6621 | |
| | EZ ENTERPRISE ZONE | | | |
| | ME MACHINE / EQUIPMENT | | 348 | |
| | ME1 MACHINE / EQUIPMENT | | | |
| | ME2 MACH AND EQUIP NC | | | |
| | 4 | | | |

Submit

Help

Signed by:

Fig. 13I

Charge To : CARR
Item ID No. : PMF-07702
Quantity : 1
*** Price EST and does not include tax or shipping***
Price per Unit : 66.21
Total Estimated Price : 66.21
Order this item ?

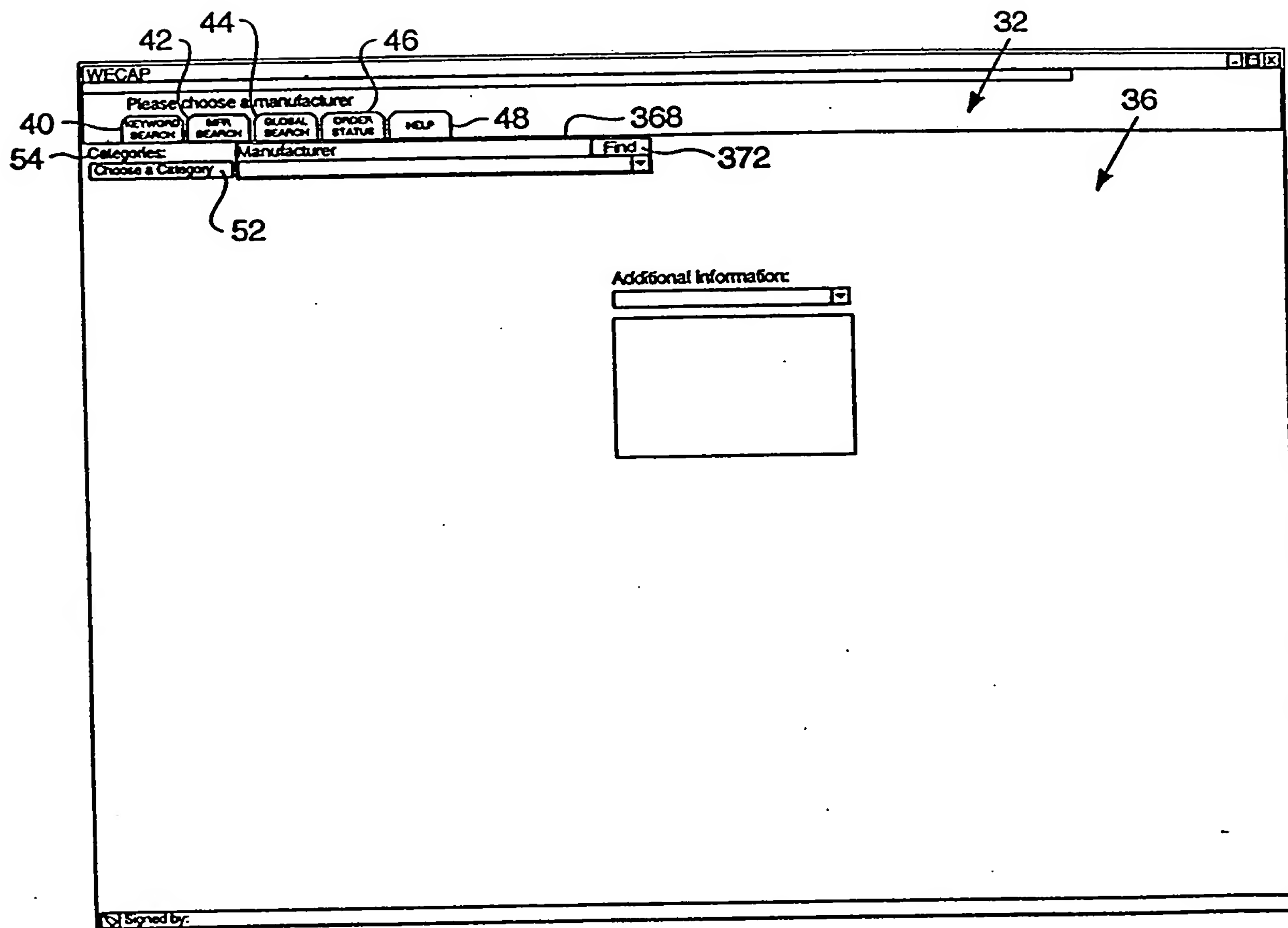
362 Yes No Cancel 366
364

361

360

Signed by:

Fig. 14A



020431.0834

Fig. 14B

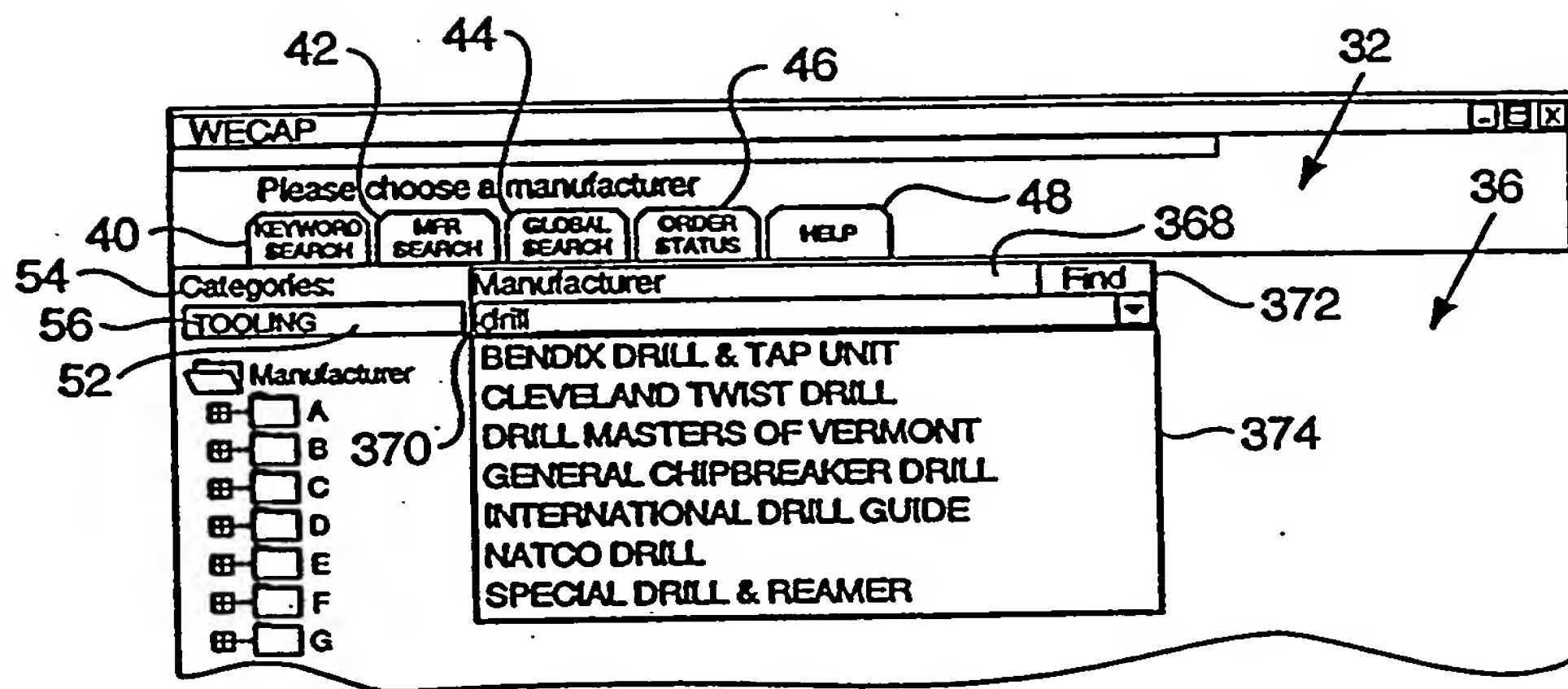


Fig. 14C

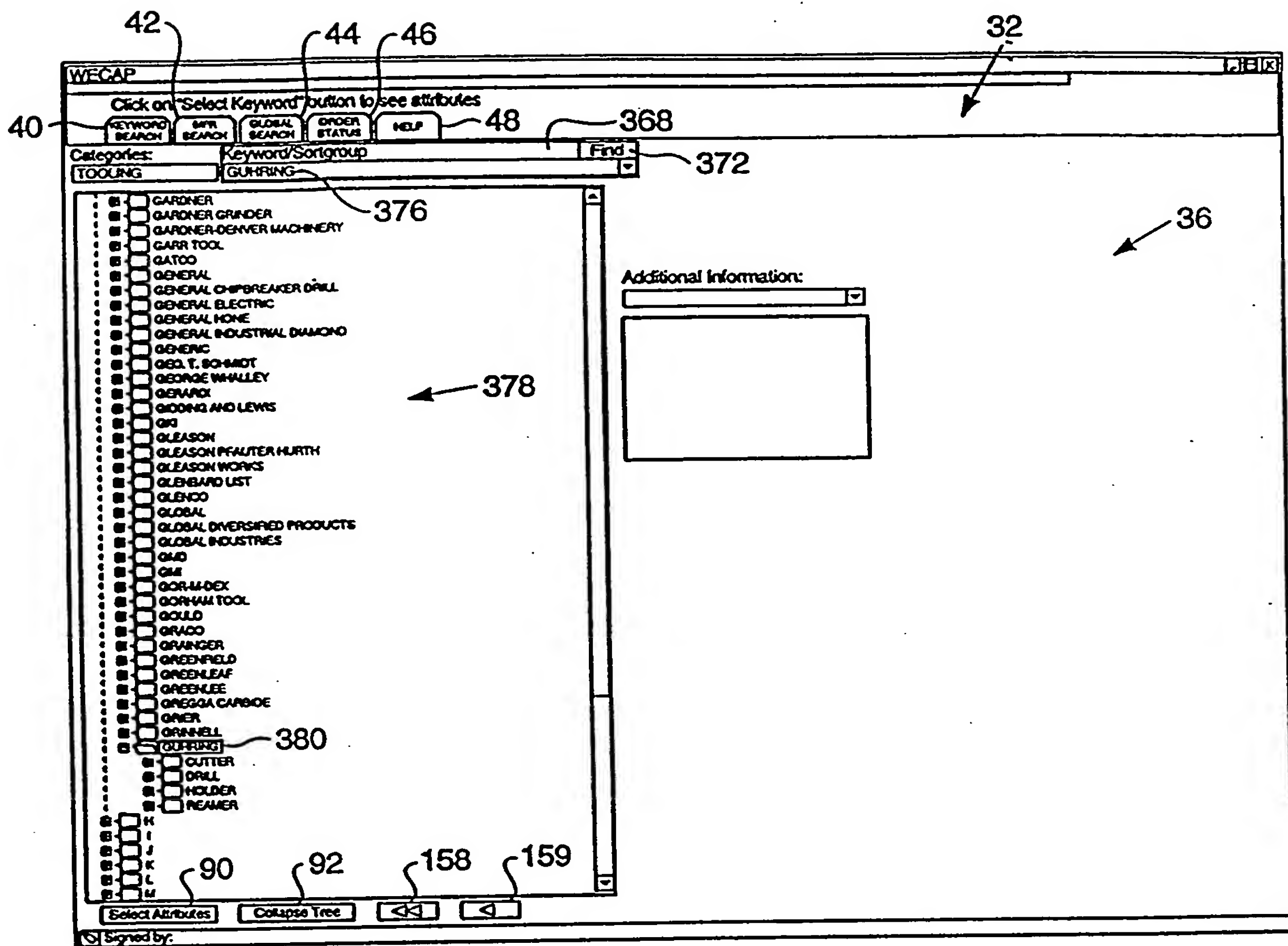


Fig. 14D

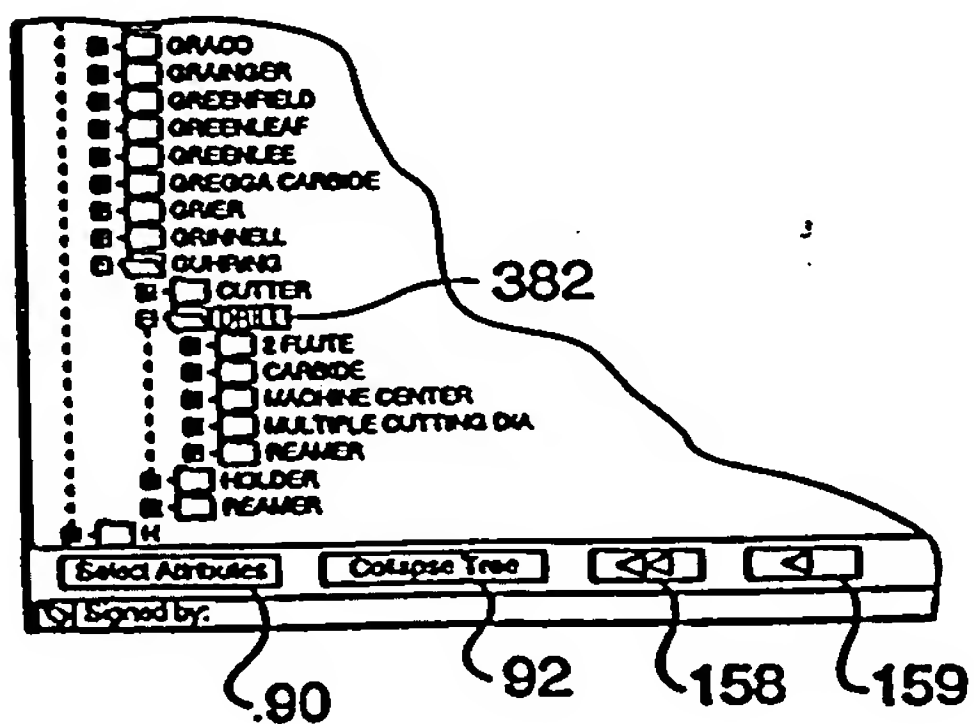


Fig. 14E

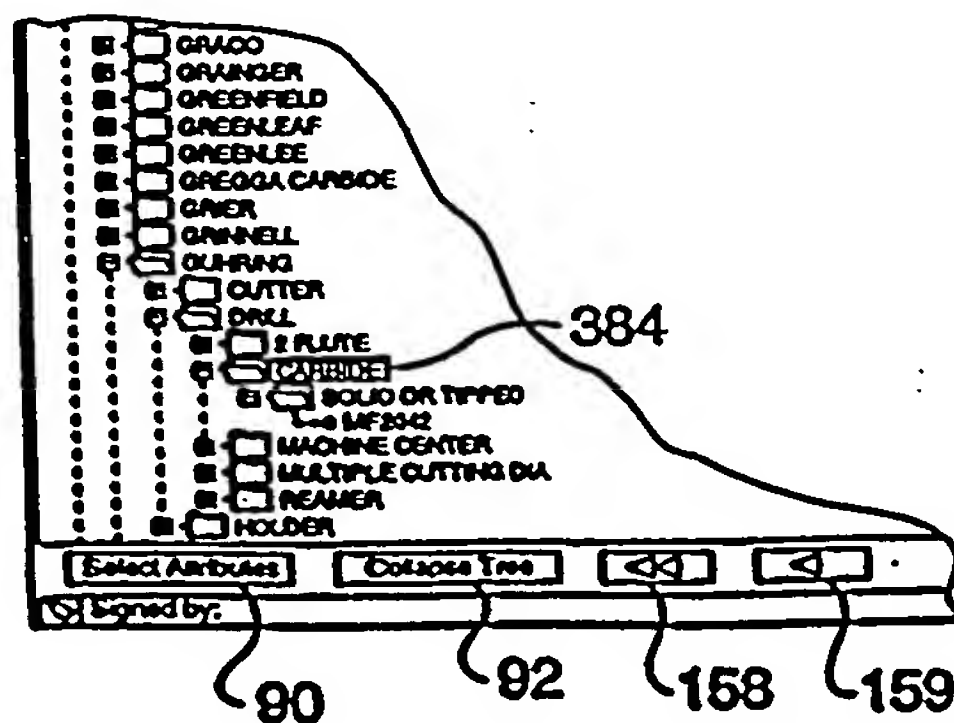
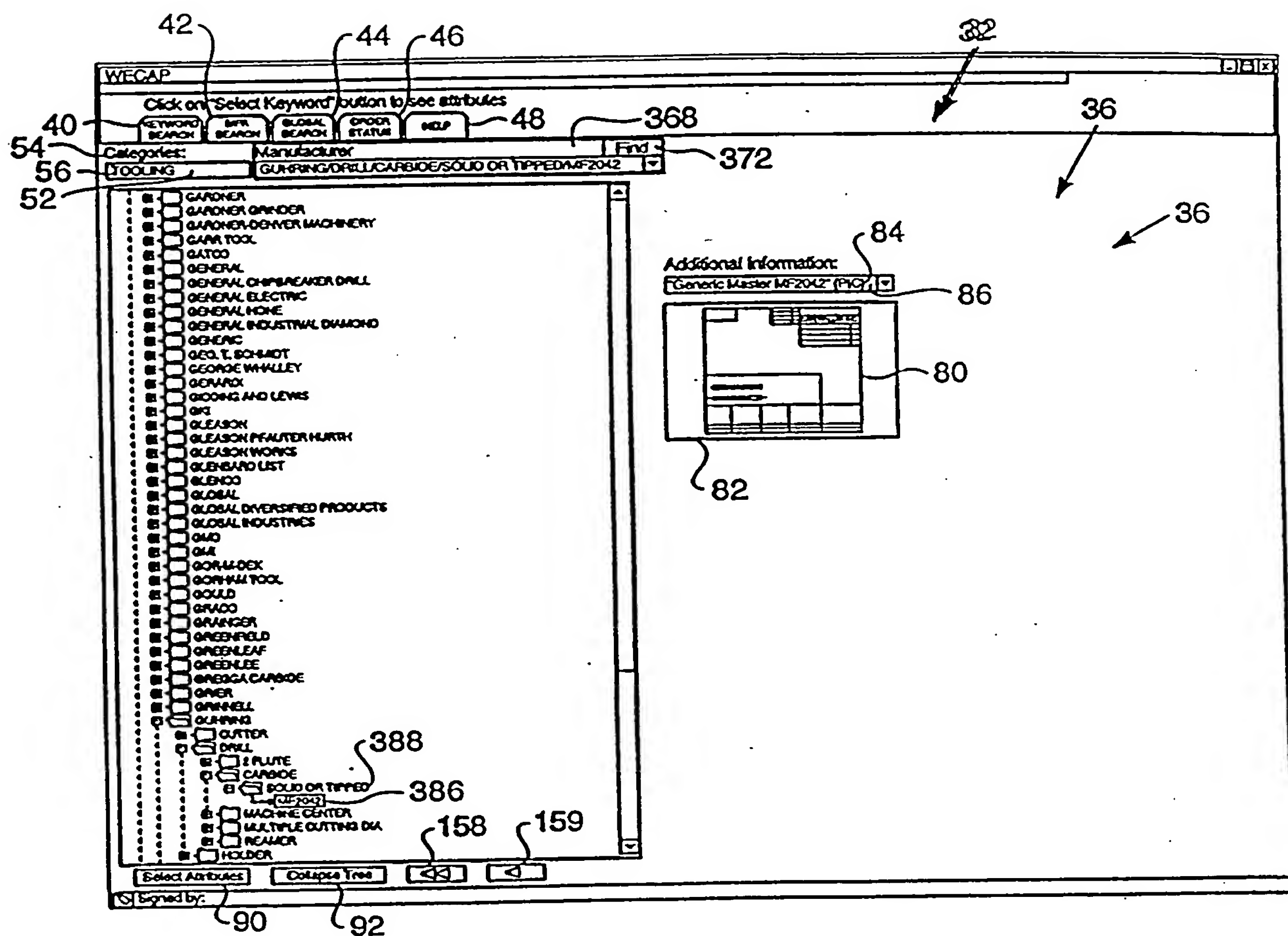


Fig. 14F



1
2
3
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11
12

Figure 1 is a screenshot of a software interface for a tool catalog. The interface includes a top menu bar with "WECAP" and "Back" buttons. Below the menu bar is a search area with buttons for "Results 1-24 of 24", "Keyword Search", "BPM Search", "Global Search", "Order Status", and "Help". A "Categories" dropdown is set to "TOOLING". A "Keyword" field contains "DRILL/CARBIDE-FLUTE OR TIPPED AMF2042". The main area is a table with columns: "PART NO.", "SHAPE", "CUTTING DIA.", "OVERALL LENGTH", "FLUTE LENGTH", "SHANK DIAMETER", "SHK REDUCED LGTH", "POINT STYLE", and "POINT". The table lists various drill bits with their specifications. At the bottom, there is a "View Results" section with buttons for "Details", "Attributes", "Prev 100", "Next 100", "Reset", and "Modify". There are also radio buttons for "Default", "Metric", and "English" units. The interface is annotated with numerous numerical labels (e.g., 40, 168, 42, 44, 46, 32, 54, 56, 52, 160, 161, 162, 163, 164, 165, 166, 36, 167, 170, 172, 174, 176, 198, 200, 202, 158, 159, 208, 212, 180, 178, 196, 182) pointing to specific UI elements.

Fig. 15A

WEGAP

Enter value(s) and click on "Search"

KEYWORD SEARCH MFR SEARCH GLOBAL SEARCH ORDER STATUS HELP

Categories:

- ALL
- TOOLING
- MRO
- MISCELLANEOUS
- SIMILAR PARTS

Free Search

Data entered in "Free Search" is used to search across all fields. You may also type specific data in the fields below to more accurately describe the desired results and to speed your search.

Part Number MFR Part Number Part Price Start Part Price Stop

Manufacturer

Part Description

Keyword

Search Clear All << <

Signed by:

Fig. 15B

WECAP

Enter value(s) and click on "Search"

KEYWORD SEARCH MFR SEARCH GLOBAL SEARCH ORDER STATUS HELP

Categories:

- FULL
- TOOLING
- MRO
- INTERNAL
- USOP
- MISCELLANEOUS
- SIMILAR PARTS

Free Search

Data entered in "Free Search" is used to search across all fields. You may also type specific data in the fields below to more accurately describe the desired results and to speed your search.

Part Number MFR Part Number Part Price Start Part Price Stop

Manufacturer

Part Description

Keyword

Search Clear All

Navigation arrows

Fig. 15C

40 42 44 46 32 36 48

WECAP

Results 1-100 of 398

KEYWORD SEARCH MFR SEARCH GLOBAL SEARCH ORDER STATUS HELP

Categories: Keyword:

| PART NO. | RANK MAX | CATEGORIES | KEYWORD | DESCRIPTION |
|------------|----------|------------|---------|---|
| 0001100292 | ***** | TOOLING | MF2379 | 0.543 DRILL SIZE 0.828 BIT OD, 8.00 OVERALL LENGTH, HSS MATERIAL TYPE, STD MATERIAL GRAD |
| 0001100342 | ***** | TOOLING | MF2379 | 0.520 DRILL SIZE 15.94 BIT OD, 36.7 OVERALL LENGTH, HSS MATERIAL TYPE, STD MATERIAL GRAD APPROV |
| 0001100772 | ***** | TOOLING | MF2379 | 0.250 DRILL SIZE 40.53 BIT OD, 73.7 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100782 | ***** | TOOLING | MF2379 | 0.175 DRILL SIZE 43.42 BIT OD, 73.7 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100802 | ***** | TOOLING | MF2379 | 0.130 DRILL SIZE 41.28 BIT OD, 73.7 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100812 | ***** | TOOLING | MF2379 | 0.110 DRILL SIZE 38.10 BIT OD, 73.7 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100842 | ***** | TOOLING | MF2379 | 0.080 DRILL SIZE 35.18 BIT OD, 72.2 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100872 | ***** | TOOLING | MF2379 | 0.150 DRILL SIZE 38.10 BIT OD, 44.5 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100882 | ***** | TOOLING | MF2379 | 0.175 DRILL SIZE 44.45 BIT OD, 80.8 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100892 | ***** | TOOLING | MF2379 | 0.110 DRILL SIZE 38.10 BIT OD, 44.5 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100902 | ***** | TOOLING | MF2379 | 0.140 DRILL SIZE 38.10 BIT OD, 44.5 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100912 | ***** | TOOLING | MF2379 | 0.200 DRILL SIZE 44.45 BIT OD, 83.5 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100915 | ***** | TOOLING | MF2379 | 0.170 DRILL SIZE 44.45 BIT OD, 80.8 OVERALL LENGTH, HSS MATERIAL TYPE, M-2 MATERIAL GRADREF: DEC |
| 0001100917 | ***** | TOOLING | MF2379 | 0.110 DRILL SIZE 38.10 BIT OD, 39.7 OVERALL LENGTH, HSS MATERIAL TYPE, STD MATERIAL GRAD APPROV |
| 0001100921 | ***** | TOOLING | MF2379 | 0.130 DRILL SIZE 38.10 BIT OD, 41.0 OVERALL LENGTH, HSS MATERIAL TYPE, STD MATERIAL GRAD APPROV |
| 0001100922 | ***** | TOOLING | MF2379 | 0.170 DRILL SIZE 38.10 BIT OD, 67.2 OVERALL LENGTH, HSS MATERIAL TYPE, STD MATERIAL GRAD APPROV |
| 0001100932 | ***** | TOOLING | MF2379 | BIT, DRILL, 100 TO 120 MM DRILL RANGE 80 DEG INCL ANGLE, 38.00 DIA, BODY, 32.00 DIA, 6 SHK, 133.0 OAL |
| 0001100934 | ***** | TOOLING | MF2379 | 0.140 DRILL SIZE 40.00 BIT OD, 60.0 OVERALL LENGTH, TIN MATERIAL TYPE, C-6 MATERIAL GRAD APPROVED |
| 0001100935 | ***** | TOOLING | MF2379 | 0.140 DRILL SIZE 42.00 BIT OD, 60.0 OVERALL LENGTH, TIN MATERIAL TYPE, C-6 MATERIAL GRAD APPROVED |
| 0001100938 | ***** | TOOLING | MF2379 | 0.140 DRILL SIZE 42.00 BIT OD, 60.0 OVERALL LENGTH, TIN MATERIAL TYPE, C-6 MATERIAL GRAD APPROVED |
| 0019234332 | ***** | TOOLING | MF2035 | SG1 SHAPE, 0.308 BODY DIAMETER, 0.250 DRILL DIAMETER, 0.250 DRILL LENGTH, 03.13 OVERALL LENGTH |
| 0019282542 | ***** | TOOLING | MF2060 | 0.4218 CUT DIAMETER, 07.75 OVERALL LENGTH, 00 SHANK NO, 65 SHANK TYPE, 0.422 SHANK DIA, HSS MAT |
| 0019324422 | ***** | TOOLING | MF2060 | 0.5807 SMALL DIA, 0.8661 LARGE DIA, 00.50 OVERALL LENGTH, 00.47 STEP LENGTH, 04.88 FLUTE LENGTH |
| 0019329735 | ***** | TOOLING | MF2060 | MULTIPLE CUTTING DIA, 3900 SMALL DIA, 0.6250 LARGE DIA, 4.25 IN OAL MATL, HSS STD |
| 0019705522 | ***** | TOOLING | MF2060 | 0.5800 SMALL DIA, 0.8625 LARGE DIA, 114.3 OVERALL LENGTH, 019.5 STEP LENGTH, 014.0 FLUTE LENGTH |
| 001979792 | ***** | TOOLING | MF2060 | 0.4100 SMALL DIA, 0.6000 LARGE DIA, 185.0 OVERALL LENGTH, 036.0 STEP LENGTH, 079.0 FLUTE LENGTH |
| 0019807582 | ***** | TOOLING | MF2060 | 0.4100 SMALL DIA, 0.6000 LARGE DIA, 185.0 OVERALL LENGTH, 036.0 STEP LENGTH, 079.0 FLUTE LENGTH |
| 0019811535 | ***** | TOOLING | MF2060 | 0.4100 SMALL DIA, 0.6000 LARGE DIA, 185.0 OVERALL LENGTH, 036.0 STEP LENGTH, 079.0 FLUTE LENGTH |
| 0020184372 | ***** | TOOLING | MF2055 | 0 SHAPE, 0.250 CUTTING DIA, 14.75 OVERALL LENGTH, 10.75 FLUTE LENGTH, 60 SHANK NO, VFLG SHANK |
| 0020187094 | ***** | TOOLING | MF2055 | 0 SHAPE, 0.250 CUTTING DIA, 12.50 OVERALL LENGTH, 08.50 FLUTE LENGTH, 60 SHANK NO, 65 SHANK TYPE |
| 0020187616 | ***** | TOOLING | MF2055 | 0 SHAPE, 0.3110 CUTTING DIA, 12.50 OVERALL LENGTH, 08.50 FLUTE LENGTH, 60 SHANK NO, 65 SHANK TYPE |
| 0019234342 | ***** | TOOLING | MF2035 | SG1 SHAPE, 1.000 BODY DIAMETER, 0.3120 DRILL DIAMETER, 0.312 DRILL LENGTH, 03.13 OVERALL LENGTH |
| 0019282652 | ***** | TOOLING | MF2060 | 0.5112 CUT DIAMETER, 08.00 OVERALL LENGTH, 00 SHANK NO, 65 SHANK TYPE, 0.511 SHANK DIA, HSS MAT |
| 0019324432 | ***** | TOOLING | MF2060 | 0.5112 CUT DIAMETER, 08.00 OVERALL LENGTH, 00 SHANK NO, 65 SHANK TYPE, 0.511 SHANK DIA, HSS MAT |
| 0019329736 | ***** | TOOLING | MF2060 | 0.5112 CUT DIAMETER, 08.00 OVERALL LENGTH, 00 SHANK NO, 65 SHANK TYPE, 0.511 SHANK DIA, HSS MAT |

170 172 158 159

Details Attributes Prev 100 Next 100

208 212 180 178

Signed by:

Fig. 15F

WECAP

Results 1 of 1

Item #: 0020420411
Category: TOOLING
Keyword: Drill/Carbide/Solid or Tipped/MF2042

420

32

36

| Characteristic | Value |
|-------------------|----------|
| SHAPE | 1.0000 |
| CUTTING DIA-A | 1.2000 |
| OVER ALL LENGTH-B | 30.0000 |
| FLUTE LENGTH-C | 13.0000 |
| SHANK DIAMETER-D | 1.5000 |
| SHK REDUCED LGH-E | |
| POINT STYLE | |
| POINT ANGLE-F | 130.0000 |
| MARGIN | 1.0000 |
| OIL HOLE | NO |
| MATERIAL TYPE | TC |
| MATERIAL GRADE | C-2 |
| PT GRD INC ANG-G | |
| PT GRIND LGTH-H | |
| PT GRD PT LGTH-J | .2800 |
| QTY FLUTES | 2.0000 |
| SURFACE TREAT | BRIGHT |

1 of 1

Details Cancel

Signed by:

170

172

158 159

208 212 180 178

Signed by:

Fig. 15G

422

Item #: 0020420411 424
Category: TOOLING 420
Keyword: Drill/Carbide/Solid or Tipped/MF2042 426

| Characteristic | Value |
|-------------------|----------|
| SHAPE | 1.0000 |
| CUTTING DIA-A | 1.2000 |
| OVER ALL LENGTH-B | 30.0000 |
| FLUTE LENGTH-C | 13.0000 |
| SHANK DIAMETER-D | 1.5000 |
| SHK REDUCED LGH-E | |
| POINT STYLE | |
| POINT ANGLE-F | 130.0000 |
| MARGIN | 1.0000 |
| OIL HOLE | NO |
| MATERIAL TYPE | TC |
| MATERIAL GRADE | C-2 |
| PT GRD INC ANG-G | |
| PT GRIND LGTH-H | |
| PT GRD PT LGTH-J | .2800 |
| QTY FLUTES | 2.0000 |
| SURFACE TREAT | BRIGHT |

428

430

1 of 1

434 Details Cancel

Signed by: 432 436

Fig. 16A

473 WECAP 42 44 46 48 40

Item number 1 of 14

KEYWORD SEARCH MFR SEARCH GLOBAL SEARCH ORDER STATUS HELP 460 474

Requestion Date From 03/01/2000 To 05/15/2000

Requestion Number 462 1784 - CHAIR, MID-BCK, A 476

466 Status 468 Details 478

Legend 464

- ☐ Current Location
- ☐ Approved
- ☐ Rejected
- ☐ Pending
- ☐ FYI
- ☐ Not Visited

480 482 484

Ordered 03-15-2000 488 484 Tom Carroll 04-04-2000 Sent 04-04-2000 486

Fig. 16B

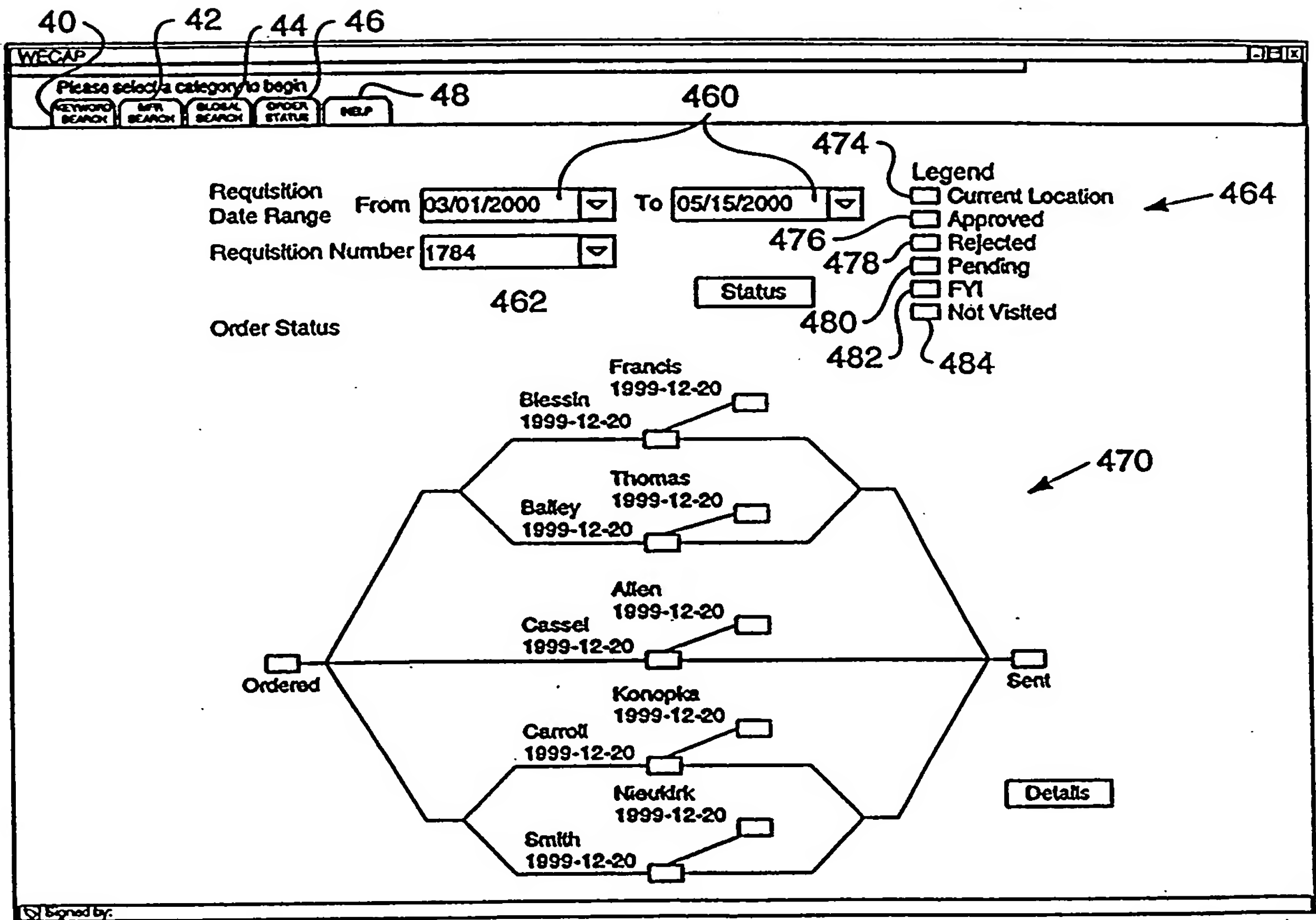


Fig. 17A

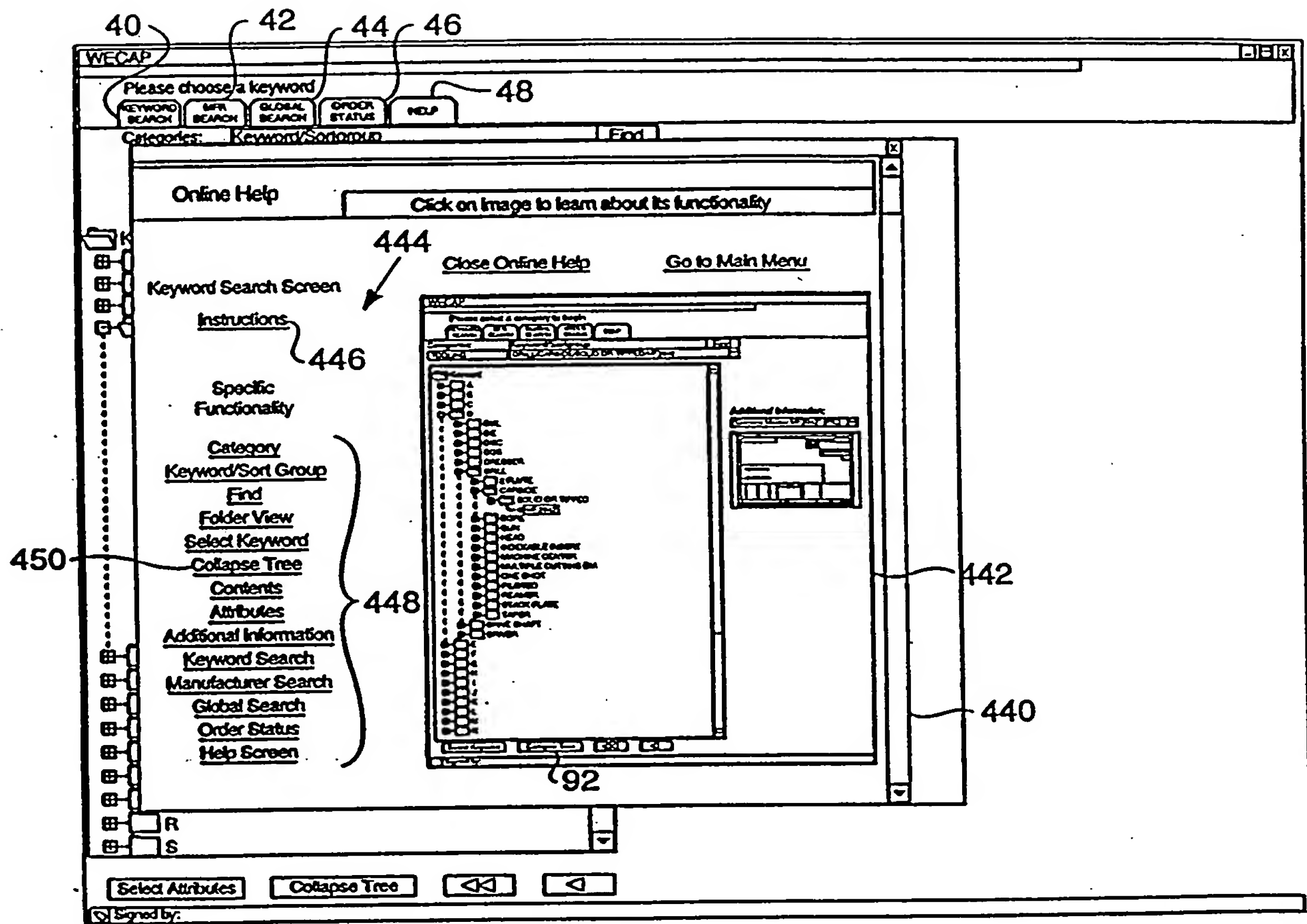
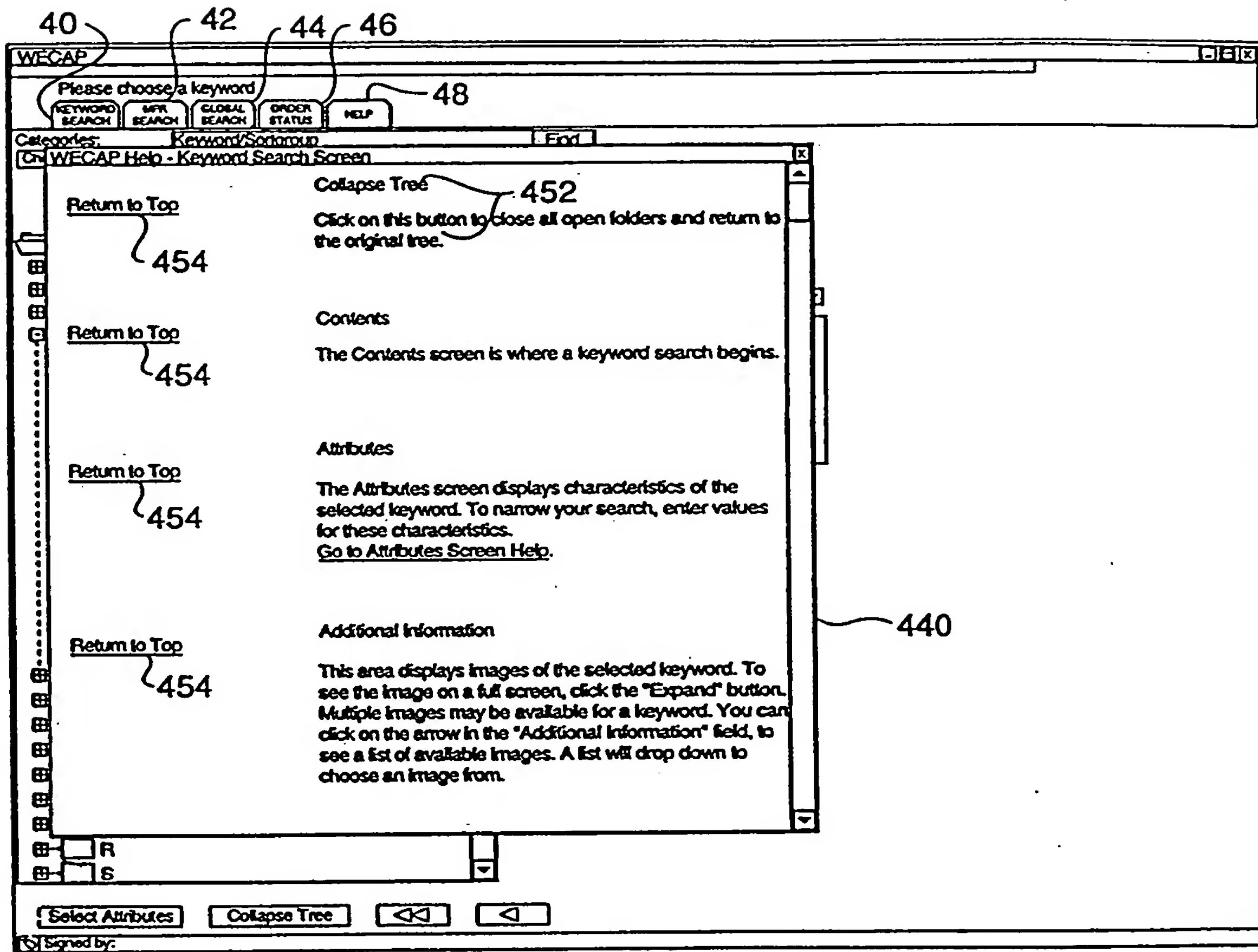


Fig. 17B



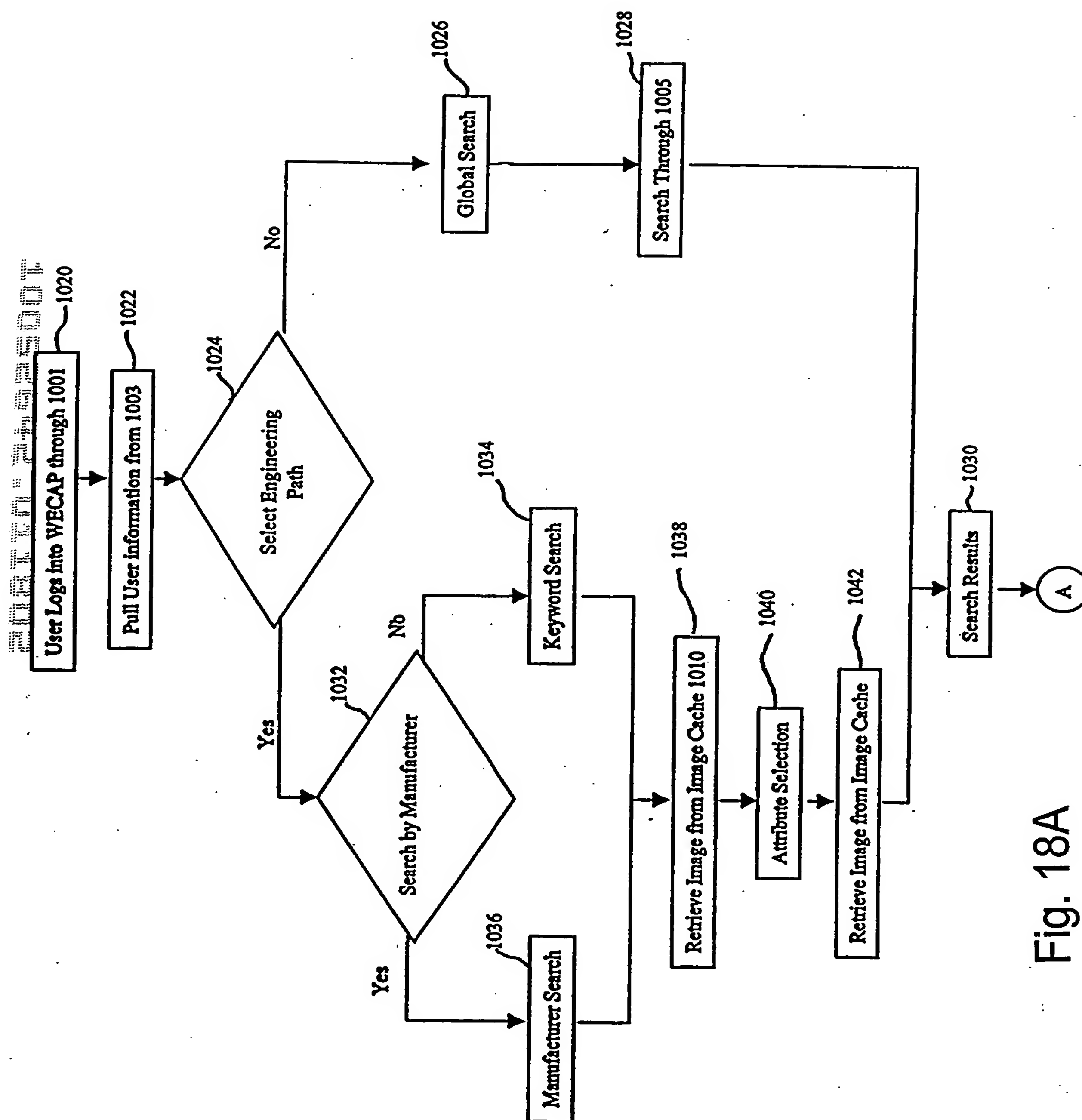


Fig. 18A

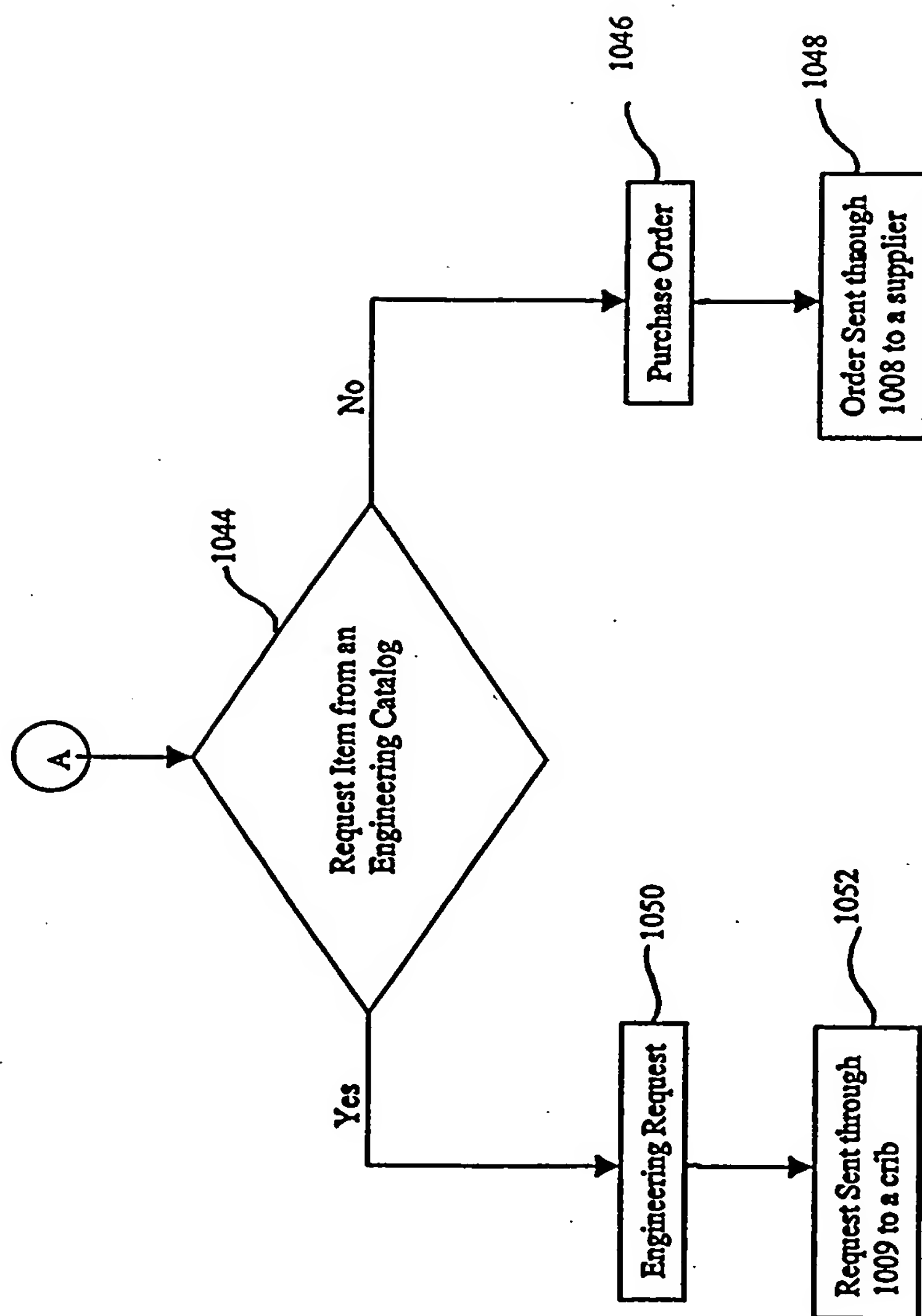


Fig. 18B